Construction News

PRICE CHANGES AND THE BUSINESS OUTLOOK

The long-waited-for business improvement which the present Administration has been promising for so long seems as if it is to be forthcoming. Conditions at this time in almost every line are better than for the past year. The railroads are ordering new equipment and are very short of freight cars, which is one of the best indications we have of a general movement in all lines. Building conditions leave much to be desired, particularly in the field of residences and private plants, but this is more than made up by the big amount of business being done in the steel line and all products being used by the Allies.

The successful outcome of the $500,000,000 loan to the Allies gives us an opportunity of getting rid of our surplus in all lines, which would have been a serious matter if it had not been floated. Exports for the past year show that the Allies used over $800,000,000 worth of actual necessities from this country, and if the loan had not been put through the rate of foreign exchange probably would have dropped to such a degree that it would have been almost prohibitive for the Allies to continue purchasing here.

The money situation around New York City is very easy. Domestic trade and industry as well as import and export activities are on such a restricted basis that supplies of funds are altogether in excess of requirements. Arrangements for funds have been made for six months as low as 3%. The crop situation in the West has not affected Eastern money as much as usual, as the Western banks have been so well supplied that they have not found it necessary to call on New York for their balances or advances.

The iron and steel trade are turning out as much stuff as it seems possible to do. The railroads are working on their 1916 requirements for rails, and a great many of them have already placed their orders. Among others, the New York Central has closed for about 120,000 tons. The plate mills are figuring on 12,000 to 15,000 cars for the railroads, besides which the Pressed Steel Car Co. is now filling an order for Russia for 7,000 cars. Shipbuilding seems to be picking up, as pretty nearly all the large concerns are now figuring on jobs which will take from 3,000 to 5,000 tons each besides orders already on hand. The Pittsburgh district reports that the general position of the steel mills is that they have shipping orders in hand for more than one-half of their maximum output to Jan. 1, with orders coming in at a rate fully equal to current shipments, which means that they are assured of being busy for months to come.

This activity in the steel market of course reflects its influence on the pig-iron market. This is shown by the highest price quoted for pig iron for the past two years. Not since the war first started have there been as many rumors as at present of a great variety and number of proposed deals for new industrial combinations and for additions to plant capacity, based upon the large profits growing out of war orders. Practically all of the leading iron and steel companies in the country have been mentioned in connection with some merger or other. In some cases, the stories have been used as a basis for advancing stock prices, and in others have been offered as an explanation for the advance.

The Federal Reserve Board made a report for the last thirty days for their twelve districts showing an improvement in nine of them. Only Philadelphia reflected a pessimistic outlook. The New York district seemed to have a better outlook for fall and winter trade than any of the other districts.

New York City building permits for August, 1915, just about doubled over August of a year ago, with an increase of over $3,500,000. New York State failures decreased 57 in number over a year ago, with $22,000,000 less liabilities. All of these figures tend to show improved conditions. Subway work in New York City is very nearly all under way, about $160,000,000 worth of contracts having been let, which leaves a balance of about $4,000,000 to be let some time in the near future. Some time this month bids will be opened for 80,000 tons of steel. On Oct. 15 the Commission will open bids for the supply of frogs and switches for all new lines, and on the 26th for finished work for stations on the different lines, which will require about 40,000 tons of steel.

Estimates of the crops throughout both the country and the world show that we are having the largest yield ever reported. Figures given by experts show about 600,000,000 more bushels of various grains than last year.

We will have something over 400,000,000 bushels of wheat to sell abroad, provided our credit is arranged soon enough, so that it can be sold before the other countries which have a proportionate increase in crops this year get a chance to market theirs. With this large increase, prices will naturally be lower than last year, but still should net the farmer a good profit.

The brick market seems to be better than for some little time in the past, the market having been pretty nearly cleaned out during the last few days. There has been a small advance in price, with prospect of a further increase. The cement market does not seem to be as steady as a month ago, prices being a little lower, with more cutting by the smaller concerns.

CEMENT, LIME AND BRICK

Brick—During the month the market advanced and declined practically every week. Though no very heavy sales are reported, conditions since last month have improved. At this writing, manufacturers report that further advance is due to take place very shortly. Prices show a decided advance over last month, the following being asked: Hudson River brick, $6.50 to $7; Raritan, $6. These prices are wholesale at the dock, New York.

Portland Cement—Business during the month continues fair although some of the larger manufacturers complain because of the price-cutting done in some territories. In some sections the prices have advanced and are as follows:

Chicago	$1.41	Toledo	$1.34
Pittsburgh	1.41	Milwaukee	1.38
Cleveland	1.45	Minneapolis	1.48
Detroit	1.32	St. Paul	1.48
Indianapolis	1.34	Duluth	1.51
Jersey City	1.06	Peoria	1.29
New York	1.12	Cedar Rapids	1.40
Boston	1.27	Davenport	1.30

The above prices are exclusive of package and are for carload lots, f.o.b. cars at places named. In New York to contractors the price is $1.57, Jersey City $1.51, and at Boston $1.72. These prices are for cargo lots and include the charge for bags.

To dealers, manufacturers quote as follows: In cloth bags f.o.b. Jersey City, $1.46; alongside dock, New York, $1.52; Boston, $1.67.

Labor—On account of the lack of emigration to this country, there is very little supply and a consequent large demand for unskilled labor. Local agencies report that it is almost impossible to get men to go out of town for less than $2 for an 8-hr. day and they are very hard to pick up at this price as there are plenty of opportunities in New York City. There seems to be very little call for experienced men in the building-trades line, and the supply far exceeds the demand. Experienced machine-shop men are almost impossible to obtain without paying a large price, and these are very scarce.

Crushed Stone—Although no decided improvement has been shown in the market, quotations are higher than they were a month ago, and dealers are enabled to maintain a firmer stand. On fair-size contracts calling for immediate shipment for 1½-in. crushed stone the price ranges from 75 to 80c. On ¾-in., 85 to 90c. is asked. Quotations for future shipment are not given for publication, due to the fact that higher prices may be demanded, and dealers do not like to be bound by low-figure contracts. The Public Service awarded two contracts during the month calling for about 300,000 cu.yd. of material. Another contract requiring about 80,000 cu.yd. of traprock of hard limestone which had been awarded on the advice of the engineers, the Commission decided to readvertise the contract, bids for which will be opened on Oct. 15.

Sand and Gravel—Business conditions are very good around New York City, dealers having no complaints to make. Sand is quoted at 45c. per cu.yd., some dealers asking only 40c. Gravel prices are as follows: Subway, 95c. per cu.yd., and paving gravel at 75c. per cu.yd. These quotations are for full cargo lots of 500 cu.yd. delivered alongside of dock New York.

IRON AND STEEL

Pig Iron—The buying of pig iron during the month has been considered very fair, and in practically all districts there have been advances in the price. On future delivery there is a decided tendency to increase the price, and buyers entering the market now are facing these increased charges. During the latter half of the month, more interest was taken in the purchase of malleable and other irons for the making of railroad supplies. More inquiries are appearing each week for foreign shipments, and some fair-sized orders have developed as a result. In Pittsburgh, buying has not been as heavy as might be expected, but nevertheless prices have shown a slight advance. Bessemer iron is quoted at $16.95 and basic is now $15.95. The above quotations include the freight charges from the valley to the Pittsburgh district. In Cincinnati, prices remain stationary as follows: Cincinnati Southern Foundry No. 2, $14.40 to $15.40; Cincinnati Northern Foundry No. 2, $15.76 to $16.01; Cincinnati Northern Foundry No. 3, $15.51 to $15.76. In New York business has been fair during the month and prices are a little stiffer as follows: Northern Foundry No. 2, plain is $15.75 to $16.00, and No. 2X $16.25 to $16.50. In the Chicago districts, prices have advanced for the last month, and the market is apparently very much stronger. Prices following are f.o.b. furnace, and for switching charge the average is 50c. per ton. Northern Foundry No. 1 is $14.75 to $15.25, and Northern Foundry No. 2 is $14.25 to $14.75. In Birmingham, prices have advanced $1 per ton, and the present situation evidently points to a further increase. For spot and 1916 delivery, f.o.b. furnaces the price for Southern Foundry No. 2 is $12 to $12.50; No. 1 Southern Foundry is selling at $12.50 to $13.

Steel Rails—Very active buying has been noticed in the rail market, and practically all the principal companies have entered orders for fair tonnages and makers look forward to a heavier demand during the coming year. Some railroads are endeavoring to place contracts for delivery late in the year 1916. There has been some foreign demand for light rails, also considerable interest has been shown by the coal-mine operators for these sections. Railroad companies, not yet in the market, are busy working on specifications, and manufacturers are figuring on reserved rolling space. It is estimated that the bookings of the Steel Corporation for the month of September in steel rails amount to somewhere in the neighborhood of 150,000 tons. Quotations, however, are without change, and for lots of 1,000 tons or over, prices are as follows: Standard sections of bessemer, $28; openhearth, $30;

both per gross ton f.o.b. Pittsburgh. Girder rails in 30-ft. lengths are $36.40; in 60-ft. lengths, $38.40 per gross ton, both f.o.b. New York. Other quotations f.o.b. Pittsburgh for large lots, prices given in cents per lb., are as follows: Standard sections bessemer, $1.25; openhearth, $1.34; light rails are quoted as follows: 25- to 45-lb. sections, $1.25; 16- to 20-lb., $1.30; 12- to 14-lb., $1.35; 8- to 10-lb., $1.40. These are for carload or larger lots. An advance of 5c. per 100 lb. is charged for less than carload lots.

Track Supplies—Inquiries are now appearing from many of the railroads for furnishing spikes. Although business has not been as good as might be expected, manufacturers look to a brighter future, and due to the advanced prices of steel, quotations on this material were well maintained during the month. Spikes are now quoted at $1.60 per keg. This is for standard railroad sizes f.o.b. Pittsburgh, small railroad and boat spikes being held at $1.70 per 100 lb. f.o.b. Pittsburgh. Track bolts and square nuts are quoted at $2.10 in carload lots; standard section angle bars are quoted at $1.50 base f.o.b. Pittsburgh. Track bolts at Chicago are quoted at $2.10 to $2.25, and tie plates at $30 to $32.

Plates—Manufacturers report that they are booking more orders and are eagerly looking toward more work in the future. Some business is being placed by the car manufacturers and the government has opened bids for some plate shapes for naval improvement at the different navy yards. Although some makers claim to have made sales at lower figures than are generally quoted, prices show an advance of $1 per ton and are quoted $1.40 at the mill, Pittsburgh. This is equivalent to $1.439 in Chicago. In this city delivery of plates from stock is charged at the rate of $1.85 per 100 lb. Philadelphia is $1.509 to $1.559, New York $1.569. From store the price is $2.05 to $2.10.

Structural Material—A more steady flow of business is apparent and manufacturers are trying to hold to a more steady price. No large size orders are conspicuous, but in general small orders are being turned in with more regularity. Industrial plants are still constructing additions and prices are based on $1.40 Pittsburgh, and at this rate prices in various districts are well maintained. This includes I-beams 3 to 15 in., channels 3 to 15 in., angles 3 to 6 in., T's, 3 in. and over. Cutting to specified lengths is charged at the following rates: 2 to 3 ft. inclusive, 25c.; 2 ft. to 1 ft., 50c.; under 1 ft., $1.55. No charge is made for cutting to specified lengths over 3 ft. In Philadelphia the base price is $1.559. Small lots of stock are selling at least $1 or $2 per ton higher. In New York the base price is $1.559. Small lots are quoted at $2.05, $2.10 from store. In Chicago the delivery from mill is $1.639 and from stock $1.90. In San Francisco the base price is $2. All these quotations are per 100 lb.

Pipe—Although prices remain the same as a month ago, on very desirable orders discounts are very often shaded. This holds especially true for the galvanized material. It is believed that the manufacturers are not operating to over 65% of capacity. For carload lots f.o.b. Pittsburgh, the following discounts hold:

	Black	Galvanized
¾- to 2-in. steel, butt welded	79%	63½%
2½- to 6-in. steel, lap welded	78%	62½%
7- to 12-in. steel, lap welded	76%	58½%

Diameter	Cents Black	Cents Galvanized	Diameter	Cents Black	Cents Galvanized
¾-in.	2.43	4.19	5-in.	32.56	55.50
1-in.	3.57	6.20	6-in.	42.24	72.00
1¼-in.	4.83	8.39	7-in.	57.12	98.77
1½-in.	5.77	10.03	8-in.	60.00	$1.03
2-in.	7.77	12.55	9-in.	82.80	1.43
2½-in.	12.87	21.93	10-in.	98.99	1.70
3-in.	16.83	28.68	11-in.	$1.11	1.92
4-in.	23.98	40.87	12-in.	1.21	2.10

Sheets—The market for sheets is rather fair. The demand in general is only moderate, although from the electrical companies the buying has been a little heavier than usual. It has also been noticed that the demand for blue annealed is more active. In galvanized sheet consumers do not appear to be laying in a supply, and the reason for this seems to be that they are worried over the price of spelter. The quotations below are for large lots of sheets f.o.b. Pittsburgh and small lots from stores in New York.

	Cents per Pound: Large Lots Pittsburgh Black	Large Lots Pittsburgh Galv.	Warehouse Delivery New York Black	Warehouse Delivery New York Galv.
No. 10	1.55	2.60	2.20	....
No. 12	1.55	2.70	2.25	4.15
No. 14	1.60	2.70	2.30	4.15
No. 16	1.65	2.80	2.40	4.25
Nos. 16 and 20	1.70	2.90	2.50	4.60
Nos. 22 and 24	1.75	3.15	2.55	4.55
No. 26	1.80	3.30	2.60	4.70
No. 27	1.85	3.45	2.65	4.90
No. 28	1.90	3.60	2.70	5.00

Cast-Iron Pipe—Prices are well maintained and show a slight advance over last month. Quite a few inquiries are being received, but actual orders and contracts are not being placed in any great number. In New York prices have advanced one dollar and are quotable as follows: On 6-in. Class B and heavier, $24.50 to $25 per net ton tidewater in carload lots; Class A, $25.50 to $26; the latter price also applying to gas pipe. Although in the Birmingham district the prices advanced 50c. per ton, the market is rather dull. Quotations f.o.b. yard are as follows: 4-in., $22; 6-in. and upward, $20; on gas pipe one dollar per ton is added. In Chicago few orders of any importance can be found. Northern prices are stronger and have advanced one dollar per ton. The following are the quotations per net ton, Chicago: 4-in. pipe, $27; 6-in. and larger, $25; for Class A water pipe and gas pipe one dollar extra is added.

Steel Sheet Piling—Conditions are the same as a month ago and prices remain steady at $1.55 to $1.60 per 100 lb. f.o.b. Pittsburgh.

Old Material—On heavy melting steel scrap the transactions toward the end of the month were not so heavy. In some instances prices have shown a slight advance over last month and are apparently very firmly held. It is to be noted, however, that no evidence of real weakness is apparent, although consumers are holding off in an effort to secure lower prices. Dealers in New York furnish the following quotations:

	Per Gross Ton
Heavy-melting steel scrap	$12.25 to $12.50
No. 1 railroad wrought	14.00 to 14.50
Stove plate	9.75 to 10.00
No. 1 machinery cast	12.75 to 13.00
Wrought turnings	8.00 to 8.50
Cast borings	8.00 to 8.50
Railroad malleable cast	10.00 to 10.50
No. 2 heavy cast	11.75 to 12.00

In Chicago very little activity is discernible. Sellers of stock seem very anxious to dispose of it as soon as possible and such being the case the market is held back to a certain extent. Due to the lack of interest some prices have fallen off a little, others remaining practically the same during the month. The following prices hold good in this territory:

	Per Gross Ton
Heavy-melting steel scrap	$11.75 to $12.25
	Per Net Ton
No. 1 railroad wrought	$11.00 to $11.50
No. 2 railroad wrought	10.50 to 10.75
No. 1 cash scrap	10.00 to 10.50
Pipes and flues	9.80 to 9.00
Agricultural malleable	9.00 to 9.50
Railroad malleable	10.25 to 10.75
Cast borings	6.50 to 7.00

Chain—More orders are now appearing, and manufacturers report a heavier volume of business than over the same period last month. Prices, however, remain steady and without change as follows: These prices are per 100 lb. f.o.b. Pittsburgh:

⅜ in.	$7.50	½ and ⅝ in.	$3.00
¼ in.	4.95	⅝ and ¾ in.	2.90
5/16 in.	3.95	¾ and ⅞ in.	2.80
⅜ in.	3.40	⅞ and 1⅛ in.	2.70
7/16 in.	3.20	1 to 1¼ in.	2.60

EXTRAS TO ABOVE LIST PER 100 POUNDS

	For BB	For BBB
5/16-in. and ¼-in.	$1.50	$2.00
7/16-in. and larger	1.25	1.75

Wire Rope—The demand still continues good and the prices remain unchanged from last month. On galvanized the discount is 40 and 5% off list. On bright it is 55 and 5%; special brand brights are selling at 50 and 5% off list. At these discounts, the net price of wire rope at the mills is as follows:

Diameter in Inches	Price per Foot: Cast Steel	Crucible Steel	Plow Steel
2½	$0.75	$0.90	$1.07
2¼	0.61	0.73	0.86
2	0.47	0.57	0.67
1¾	0.39	0.49	0.58
1½	0.28	0.34	0.40
1¼	0.20	0.24	0.27
1	0.13	0.15	0.18
¾	0.08	0.09	0.11
⅝	0.06	0.07	0.08

Freight Rates—The freight rate on finished steel products in the Pittsburgh district, including plates, structural shapes, merchant steel, bars, pipe fittings, plain and galvanized wire nails, rivets, spikes, bolts, black sheets (except planished), chain, etc., are as follows in cents per 100 lb.: Boston, 18.9; Buffalo, 11.6; Baltimore, 15.4; Cleveland, 10.5; Cincinnati, 15.8; Chicago, 18.9; Denver, 68.6; New Orleans, 30; New York, 16.9; Philadelphia, 15.9; St. Louis, 23.6; Minnesota and St. Paul, 32.9. Pacific Coast (all rail), 73.9.

Merchant Steel—A considerable amount of business was transacted during the month, and in some shapes quotations have advanced. Prices as given below hold very firm, and some dealers hold the opinion that they will be increased very shortly. Below are general base prices for small lots from jobbers' stores:

	Cents Per Pound
Refined iron:	
1 to 1⅞ in., round and square	2.00
1½ to 4 in. x ⅜ to 1 in.	2.00
1½ to 4 in. x ¼ to ⅜ in.	2.20
Norway bars	4.00
Burdens bar iron	3.15
Soft steel:	
¾ to 3 in., round and square	2.05
1 to 6 in. x ⅜ to 1 in.	2.05
1 to 6 in. x ¼ and 5/16	2.20
Rods—⅝ and ½ in.	2.15
Bands—1½ to 6x¾ in. to No. 8	2.35
Beams and channels—3 to 15 in.	2.10

Angles:

3 in. x ¼ in. and larger	2.10
3 in. x ⅜ in. and ⅛ in.	2.55
2½ to 2¾ in. x ⅜ in. and thicker	2.20
1½ to 2½ in. x ⅛ in.	2.30
1 to 1¼ in. x ⅜ in.	2.30
1 to 1¼ in. x ⅛ in.	2.35

Tees:

1½ to 2½ x ¼ in.	2.25
1½ to 2½ x ⅜ in.	2.35
3 in. and larger	2.20

Triangle Mesh—Demand continues fair. During the month there was a general revision in price, the following quotations now being effective:

PRICE PER 100 SQ.FT.

Style No.	Cross-Sec. Area per Ft. Width	Plain Material—Carload Lots	Plain Material—Less Than Car Lots and Over 10,000 Sq.Ft.	Galvanized—Carload Lots	Galvanized—Less Than Car Lots and Over 10,000 Sq.Ft.
†4	$0.102	$1.05	$1.16	$1.27	$1.38
5	0.077	0.83	0.92	1.00	1.09
6	0.058	0.66	0.73	0.80	0.86
†7	0.041	0.51	0.57	0.62	0.67
†23	0.170	1.76	1.94	2.12	2.30
24	0.142	1.52	1.67	1.83	1.98
25	0.124	1.35	1.49	1.62	1.76
†26	0.110	1.23	1.35	1.48	1.60
†27	0.085	1.00	1.11	1.21	1.31
28	0.066	0.83	0.92	1.00	1.09
29	0.049	0.69	0.76	0.83	0.90
31	0.261	2.60	2.86	3.13	3.39
32	0.225	2.25	2.48	2.71	2.94
33	0.196	2.01	2.21	2.42	2.62
34	0.140	1.54	1.70	1.86	2.02
35	0.109	1.23	1.35	1.48	1.60
36	0.075	0.91	1.00	1.09	1.18
38	0.380	3.70	4.08	4.45	4.83
†39	0.325	3.19	3.51	3.85	4.16
40	0.283	2.79	3.08	3.36	3.65
41	0.208	2.13	2.35	2.57	2.78
42	0.151	1.62	1.78	1.95	2.11
43	0.101	1.15	1.27	1.39	1.50

†This material is made in regular widths of 18, 22, 26, 30, 34, 42, 46, 50, 54 and 58 in. Standard lengths of rolls are 150, 300 and 600 ft. Cutting to special length is charged extra.

Bars, Concrete Reinforcing—Business is very brisk in this line. The mills will only accept orders with a promise for a three- to four-months' delivery under 2 in., and over a 2-in. bar they will not promise anything unless they happen to have it in their warehouses. No orders will be accepted for future delivery only at the mills' convenience. The mills report that everybody for the past year has been holding back on buying until at the present time all dealers are running short and are attempting to fill their stocks at once, which is almost impossible. The market is very strong, both in Pittsburgh and in the New York district, and the mills look for no let-up for months to come. Prices are as follows:

	Cents per Pound—Mill Shipments Pittsburgh	Cents per Pound—F.o.b. Warehouse* Pittsburgh	Cents per Pound—Delivered From Warehouse New York
¾ in. and longer	1.40	2.05	2.05 to 2.10
⅝ in. and longer	1.45	2.10	2.10 to 2.15
½ in. and longer	1.50	2.25	2.25 to 2.30
⅜ in. and longer	1.65	2.35	2.35 to 2.40
¼ in. and longer	1.90	2.70	2.70 to 2.75

*Bars from warehouse are cut to desired lengths without extra charge. These prices are for carload lots.

Expanded Metal Lath—Business is very good in this line, and mills do not seem to be affected as in some other lines connected with the building trade.

Prices are as follows:

Gage	Weight	Carload	1,000 to 5,000	Under 1,000
27	240	$11.00	$12.00	$13.00
26	260	12.00	13.00	14.00
25	300	13.00	14.00	15.00
24	350	14.00	15.00	16.00

These prices are f.o.b. Pittsburgh.

METALS

Copper—The market during the entire month was very weak, and the price remained rather fixed at the low level of 18c. Domestic demands were very light and the few transactions reported show very clearly that consumers do not appear anxious to lay in any supply. For the latter part of the month one large factor cut down production to almost a minimum. Mines are working at a record-breaking point and production far exceeds the consumption. Buying by the foreign powers still continues and it is reported that France and England will soon be in the market for a goodly supply. The price for electrolytic is firmly held at 18c. for cash and 18¼c. for thiry days, delivered.

Tin—The market is clearly disappointing. It has been announced that deliveries for the month of September only totaled 4,300 tons for both Atlantic and Pacific ports. Prices rose and fell during the month, the general tendency of sellers being to hold to a fixed price of 32½c. During the last week prices strengthened, the market being held at 33¼c. Buyers, however, show little interest in the market and the present quotation remains at 33c. With the completion of the British-French loan tin dealers look very hopefully for improvement.

Lead—At the beginning of the month lead opened at 4.9c. per lb., but buying was so limited and in such small quantities that it soon dropped to 4½c. At the end of the month buyers were a little more active, but the demand failed to bring an advance in price. However, the present quotation is more firm, and stronger buying is expected to develop in European markets. Production is so far in excess of demand that dealers are very anxious to find an outlet for their supply.

Spelter—At the beginning of the month the market opened with a fixed price of 15c. per lb., but rapidly dropped and throughout the month remained at 14c. There were occasional flurries in the demand, but the amount of business failed to prompt dealers to advance the price. Toward the latter part of the month there appeared to be an easier tone to the market, due to the offering of speculative blocks. For last quarter deliveries quotations are 13½c., but at this figure very little business is being booked. Ordinary grades of prime western are now selling at 14c. per lb.

Old Metals—The market might be said to be up and down during the month. At times the buyers showed keen interest, then again they would not appear in the market. Toward the end of the month more business was done, and prices were well maintained as follows:

	Cents per Pound
Copper, heavy cut and crucible	15.00
Copper, heavy and wire	14.75
Copper, light and bottoms	12.50
Heavy machine composition	11.50
Brass, heavy	10.00
Brass, light	8.50
No. 1 yellow brass turnings	11.50
No. 1 composition turnings	10.50
Lead, heavy	3.50
Tea lead	3.25
Zinc scrap	8.00

The above are dealers' purchasing prices in New York.

MISCELLANEOUS

Sewer Pipe—With the arrival of fall there is a fair amount of work appearing, and dealers anticipate that conditions will require a considerable supply of this material. Discounts, however, are the same as a month ago, but are more firmly held. On 3- to 24-in., 82% off list is quoted; 27- to 30-in., 72%; 30- to 36-in., 67%. At this rate, prices are as follows:

PRICE OF SEWER PIPE PER FOOT

Size		Size	
3-in.	$0.045	18-in.	$0.342
4-in.	0.045	20-in.	0.405
5-in.	0.072	22-in.	0.54
6-in.	0.072	24-in.	0.585
8-in.	0.099	27-in.	1.26
10-in.	0.144	30-in.	1.54
12-in.	0.18	33-in.	2.06
15-in.	0.243	36-in.	2.31

Flue Lining—While the demand for this material for immediate use is not prevalent, yet some contractors realize that the present quotation is exceptionally low, and are laying in a supply in anticipation of an improvement. Prices have decreased a little since last month, and the present quotation is 83% off list. At this discount, prices are as follows:

FLUE LINING—PRICE PER FOOT

Size in In.	Weight in Lb.	Price per Ft.	Size in In.	Weight in Lb.	Price per Ft.
4½ x 8½	14	$0.06	8½ x 13	28	$0.114
4½ x 13	20	0.076	8½ x 18	45	0.153
4½ x 18	40	0.17	13 x 13	38	0.144
7 x 7	15	0.068	13 x 18	57	0.204
8½ x 8½	18	0.076	18 x 18	75	0.34

Bluestone—The sellers do not appear very optimistic over the amount of business appearing, and although the demand continues fair, in general conditions are not as good as a year ago; especially in the City of New York is this noticeable. Subway construction probably has tended to postpone a great many street improvements. Prices are well maintained, and although there may be a little cut on very desirable contracts, the following are general: Bronx flagging, 17c. per sq.ft.; Manhattan, 18c. per sq.ft. Curbing, 5x16 in., 40c. per lin.ft.; 5x20 in., 45c. Sewer bottoms, 5x5 ft. by 3 in., sell at 25c. per sq.ft. Belgian bridging, 5x24 in., is 65c. per lin.ft.

Railway Ties—There is very little business in this line at present, not as much as there was a month ago. All of the railroads are carrying a good stock of railway ties on hand for repair work and there is practically no new work being done. There have been a great many inquiries from foreign countries for railway ties, but up to date, as far as is known, no orders have been placed. Freight rates are a little bit lower than they have been; however, prices are about the same as they were last month. First-class standard ties, 7x9 in. by 8 ft. 6 in. sell at 73c.; 6x8 in. by 8 ft. at 61c., these prices being f.o.b. New York.

Asphaltum—A steady volume of business was felt throughout the month, and the same continued call existed for Mexican asphalt petroleum. Prices, however, remain unchanged, and in packages f.o.b. refinery sheet paving asphalt is quoted at $13 to $15 per ton.

Swedish (Norway) Iron—Supplies are all limited to small lots, and dealers are selling the same at very fancy prices. On all sides there is keen competition and dealers are making every effort to gather any quantity obtainable. Due to such unsettled conditions, quotations have been withdrawn.

RAILWAYS—STEAM AND ELECTRIC

Proposed Work

Maryland—Surveys made by Baltimore & Ohio Ry. Co. for line from Hagerstown to Security, about four miles. J. B. Ferguson & Co., Surveyor. F. L. Stuart, Baltimore, Ch. Engr. Noted Aug. 12.

North Carolina—Directors of Hiawassee Valley Ry. Co. authorized sale of $125,000 bonds for completion of line from Andrews to Haynesville, via Peachtree, about 25 miles. S. E. Cover, interested.

North Carolina—Surveys made for line from Lillington to Swansboro by Central Carolina Ry. Co. W. J. Edwards, Sanford, interested.

North Carolina—Kinston Belt Line Co. has been incorporated with $25,000 capital by J. T. Deal and G. V. Cowper, Kinston, and others to build steam belt-line and electric car line in Kinston.

North Carolina—Seaboard Air Line Ry. Co. plans revision of line and grades between Sanford and Apex. Estimated cost, $200,000. H. C. Pearce, Norfolk, Va., Pur. Agt.

Virginia—See item under Kentucky.

West Virginia—Coal & Coke Ry. Co. contemplates yards at Charleston. R. H. Pembroke, Gassaway, Ch. Engr.

Georgia—Georgia Southern and Florida Ry. Co. will build yard near Cordele. Estimated cost, $25,000. J. B. Munson, Macon, Vice-Pres. and Gen. Mgr.

Georgia—Savannah & Northwestern Ry. Co., according to press reports, is having surveys made for extension of its line from St. Clair to either Thomson, Camak or Norwild, about 30 miles. L. B. Ackerman, Savannah, Ch. Engr.

Alabama—Railway will be built from Andalusia, Ala., to Munson, Fla., about 30 miles. C. K. Lawrence, Savannah, Ga., Ch. Mgr. Central of Georgia Ry. Co., interested.

Mississippi—Reports state Guy M. Walker, New York, N. Y., has purchased McComb Electric Light & Power Co. through S. M. Jones, Laurel, Miss. He contemplates railway from McComb to Summit, Fernwood and Magnolia.

Kentucky—Queen & Crescent Ry. will double-track its line from Somerset to Flat Rock. Surveys have been made for double-tracking from Tateville to Greenwood.

Kentucky—Kentucky & Virginia Ry. subsidiary of Louisville & Nashville Ry., is making surveys for extension from Benham, Ky., to Norton, Va.

Indiana—Lake Erie & Western Ry. Co. plans to spend $50,000 for extension of its yards at Tifton. A. H. Smith, New York, N. Y., Pres.

Illinois—Hillsboro, Synthiana, Bainbridge & Chillicothe Traction Co. plans electric railway between Hillsboro and Chillicothe, about 42 miles.

Wisconsin—Bonds for $75,000 for railway from Etterisk to Blair, about 10 miles, voted by citizens.

Nebraska—Missouri Pacific Ry Co., recently incorporated, will build main line and three branch lines in Nebraska. C. H. Smith, Wayne, Engr.

South Dakota—South Dakota Short Line Ry. Co. recently incorporated with $2,000,000 capital by C. W. Adams, Council Bluffs, Iowa and others, will build line from Mitchell to Pierre.

Wyoming—Colorado, Wyoming & Eastern Ry. is making preliminary arrangements for extension of its line from Northgate to Elk River then to Yampa River. J. M. Herbert, Laramie, Pres.

Missouri—St. Louis, Iron Mountain & Southern Ry. Co. plans improvement of roadbed between Mollisster, Mo., and Bergman, Ark. Estimated cost, $35,000. E. A. Hadley, St. Louis, Ch. Engr.

Arkansas—Press reports state Missouri Pacific Ry. Co. will make improvements to White River division. Estimated cost, $500,000. E. A. Hadley, St. Louis, Mo., Ch. Engr.

Arkansas—Surveys will be made for electric line from Guion to Melbourne. A. C. Veach, Gravette, promotor. Noted July 29.

Colorado—Union Pacific Ry. Co. plans extension of Wyoming & Eastern Ry. Co. from Coalmont to Steamboat Springs. E. E. Adams, New York, N. Y., Consult Engr.

Washington—Lucerne & Aurelia Crown Co. having survey made for line from Lucerne to Aurelia Crown mines, about 16 miles. O. Robert Dahl, Box 187, Seattle, Pres.

California—Press reports state San Francisco will let contract in two months for construction of 67 miles of railway for Hetch-Hetchy reservoir. M. M. O'Shaughnessy, City Engr. Estimated cost, $1,800,000.

California—Union Lumber Co. plans logging road from Ft. Bragg to Ten Mile River, about 10 miles. C. R. Johnson, Crocker Bldg., San Francisco, Pres.

California—California R.R. Commission ordered Atchison, Topeka & Santa Fé Ry. to build branch from Temecula to Oceanside. E. P. Ripley, Pres.

California—Franchise granted to Tidewater & Southern Ry. Co. for railway through Ceres. J. H. Wallace, Stockton, Ch. Engr. Noted Aug. 5.

Ontario—Ontario Hydro-Electric Commission, Toronto, petitioned by Durham and Northumberland Counties to report on advisability of building electric railway from Peterborough through Campbellford, Seymour, Percy, Alwick, Haldimand and Hamilton Townships to Cobourg.

Ontario—Township Council of Harwick asked Provincial Hydro-Electric Commission, Toronto, Ont., to submit estimate of cost of electric railway between Blenheim and Cedar Springs. G. W. Riseborough, Blenheim, Clk.

Bids In and Contracts Awarded

Virginia—Southern Ry. Co., Washington, D. C., awarded contracts for railway construction as follows: Sycamore to Gretna, four miles to HALL-CRAWFORD CONSTRUCTION CO., Macon, Ga.; Whittles to Dry Fork, nine miles to ROBERT RUSSELL, Danville, Va., and from Arrowhead to Elma, 20 miles to W. W. BOXLEY CO., Roanoke.

Virginia—Contract awarded to J. C. CARPENTER & MAJOR BROS., Clifton Forge by Chesapeake & Ohio Ry. for double-tracking line between Greenlee and Balcony Falls.

LIGHT, HEAT AND POWER

Proposed Work

N. Y., Fredonia—Public Service Commission received application from Niagara & Erie Power Co. for permission to build transmission lines and operate franchises in towns of Sheridan, Pomfret, Portland and Brant and village of Farnham.

N. Y., Rochester—City Council contemplates extending street lighting system.

N. Y., Troy—Plans being prepared for power plant at mill of J. B. Hurst.

N. J., Cape May—Citizens voted bonds for electric-light plant.

N. J., East Orange—City Council plans to improve street lighting system on Central Ave.

Penn., Milton—Election will soon be held to vote to install municipal electric-light plant in Milton.

N. C., Burnsville—Yancey Light & Power Co. contemplates hydro-electric plant. Estimated cost, $16,000.

Ga., Atlanta—Atlanta Electric & Ice Co. has acquired plant of municipal water works and will operate same for five years. Company plans to install new equipment in electric-light and power plant and water works.

Ga., Graymont—Citizens voted $5,000 bonds for electric-lighting system.

Ga., Toccoa—City will build power plant on Toccoa Creek.

La., Colfax—Power plant of Big Pine Lumber Co., recently destroyed by fire, will be rebuilt. New equipment will be required.

Tenn., Henderson—Citizens voted $13,000 bonds for equipment for electric-light plant.

Tenn., Tullahoma—Cumberland Springs Co. plans electric-light plant and other improvements.

Ohio, Lorain—Election will be held in November to vote $350,000 bonds for municipal electric-light plant.

Ohio, Marietta—Election will be held in November to vote $45,000 bond issue for municipal electric-light plant.

Ohio, Martins Ferry—City plans to extend service of municipal electric-light plant to Rotherermund addition.

Ohio, Toledo—Bids will be received by A. M. Stowe, Pres., Bd. of Directors, Toledo University, until noon, Oct. 9, for steam heating and ventilating systems for present building and an addition at Illinois and 11th St.

Mich., Three Rivers—Bids will be received by the city until Oct. 21, for electric-light plant and water system. Plans and specifications may be obtained from Eugene A. Schall, City Clk., or G. Champs and F. H. Froelich, Engrs., National Bank Bldg., Toledo, Ohio.

Mich., Wyandotte—Citizens defeated $30,000 bond issue for municipal electric light plant. Noted Aug. 12.

Ill., Galesburg—Election will soon be held to vote $100,000 bonds for improving electric-light plant.

Ill., Mt. Carmel—Plans being considered by Mt. Carmel Public Utility & Service Co. to extend service to Allendale and St. Francisville.

Wis., Oak Center—According to press reports electric-lighting system in Oak Center is under consideration.

Iowa, Clermont—C. Miller & Sons plans to increase the capacity of its electric-light plant. Estimated cost, $20,000.

Iowa, Kanawha—Election will be held Oct. 20 to vote to construct municipal electric-light plant.

Iowa, Marengo—Iowa Electric Co. plans transmission line for the conducting of electricity.

Iowa, Mondamin—Press reports state that transmission line from Mondamin to Missouri Valley to supply electricity in Modale and Mondamin is contemplated.

Kan., Bucklin—Citizens contemplate $10,000 bond issue for improving electric-lighting system.

Kan., Wichita—Kansas Gas & Electric Co. plans an expenditure of $1,800,000 for improving its properties in Wichita, Pittsburgh and on Independence and eastern Kansas interests.

Neb., Blair—Bids will be received by S. W. Chambers, City Clk., until Oct. 15, for electric-light plant. Estimated cost, $34,000. Martz Engineering Co., Lincoln, Engr. Noted Aug. 19.

Nebr., Fremont—City Council plans to extend electric-lighting system to Lee-Hall addition.

Neb., Norfolk—Plans being prepared by Martz Engineering Co., Lincoln, for improving heating system at State Hospital for Insane.

N. D., Ryder—Construction of electric-light plant in Ryder contemplated by local business men.

Mo., Drexel—City will equip electric plant at Drexel. About $8,000 worth of machinery will be required.

N. M., Mogollon—Earle C. Cleveland plans electric-power plant on Willow Creek.

Tex., Celeste—Local electric-light plant of T. J. Vines & Sons, recently destroyed by fire, will be rebuilt.

Idaho, Blackfoot—F. V. Riley, C. E., Idaho Falls, submitted plan to City Council to install electric-light plant in Blackfoot.

Utah, Salt Lake City—Bids will be received by James Paxton, Clk., Bd. of Education, until 7:30 p.m., Oct. 11, for heating and ventilating system in high school at 14th and 15th St.

Ariz., Tucson—Election to issue $100,000 bonds to complete municipal electric-lighting system contemplated by City Council.

Wash., Colfax—Work will soon be started on substation for Washington Water Power Co.

Ore., **Eugene**—Water Board has authorized an auxiliary electric plant. Estimated cost, $50,000.

Calif., Martinez—Board of Supervisors received application from Great Western Power Co. of San Francisco for permission to extend its transmission lines from Martinez through Port Costa to Crockett, and from Concord to Walnut Creek.

Ont., Crediton—Town Council contemplates installation of electric-lighting and power distribution system.

Bids In and Contracts Awarded

Kan., Marion—Contract for power house awarded to V. BAUER & SON, Horton. Noted Sept. 16.

Neb., Broken Bow—Contract awarded to ALAMO ENGINE AND SUPPLY CO., Omaha, at $15,954, for water and electric-light systems. Noted Aug. 26.

Neb., Wisner—Contract for heating and plumbing in new Wisner School awarded to WESTERN HEATING & PLUMBING CO., Omaha, at $7,280.

Mont., Plentywood—Contract for new electric light and power plant for Plentywood Electric Co. awarded to SHERIDAN ELECTRIC CO.

Mo., Kansas City—Contracts for electrical work at new St. Joseph Hospital awarded as follows: Electric wiring, including wiring for power plant to F. E. NEWBERRY ELECTRIC CO., St. Louis, at $18,000; one 150-kw., four valve unit and one 100-kw., single valve generator, 220/110 volts, three wire, direct current to RIDGWAY DYNAMO & ENGINE CO., Ridgway, Penn., at $9,000; switchboards to WILLIAM MURDOCK ELECTRIC CO., St. Louis, at $2,100.

Que., Quebec City—Quebec Streams Commission awarded contract for power dam on St. Francis River to GEORGE MADDEN, Quebec, at $101,000.

BRIDGES

Proposed Work

Conn., Shelton—Plans being prepared by C. J. Bennett, State Highway Comr., Hartford, for bridge across Housatonic River between Shelton and Derby.

N. J., Newark—Board of Freeholders of Essex County plans to issue $50,000 bonds, part of which will be used for new approach span to Belleville turnpike bridge.

N. J., Paterson—Bids being received by Board of Freeholders of Passaic County for widening Hope Ave. bridge, Clifton. Estimated cost, $5,500.

Penn., Beaver Springs—Philadelphia & Reading Ry. Co. has plans for steel girder bridge across Susquehanna River at Beaver Springs. Estimated cost, $300,000.

Penn., York—Bids will be received by F. S. Bartenschlager, County Controller, until Oct. 14, for stone arch bridge over Bennett's Run, Newberry Township, and reinforced-concrete arch bridge over west branch of Codorus Creek.

Va., Lynchburg—Plans being prepared by B. N. Davis, Consult. Engr., 17 Battery Pl., New York, N. Y., for bridge across James River.

Ga., Rome—Citizens voted $225,000 bonds for three bridges in Floyd County.

Fla., Miami—Citizens voted to issue bonds for paving, bridges, hospital and channel across bay. Noted Aug. 19.

Ala., Mobile—Bids will be received until 10 a.m., Oct. 11, for wooden bridge.

Ala., Mt. Vernon—Bids will be received by O. A. Alvarez, Clk., County Revenue and Road Commissioners, Mobile, until 10 a.m., Oct. 11, for bridge across Cedar Creek near Mt. Vernon.

Tenn., Chattanooga—Press reports state that Southern Ry. plans bridge over tracks at Oak St. Estimated cost, $12,000.

Ohio, Columbus—(Official)—Bids will be received by John Scott, Clk., Bd. of Commissioners of Franklin County, until noon, Oct. 25, for county bridge construction.

Ohio, Dayton—(Official)—Bids will be received by H. E. Wall, City Acct., until noon, Oct. 11, for the sale of $338,000 bonds for replacing bridges over Miami and Mad Rivers. Noted Sept. 9.

Ind., Lebanon—Bids will be received by Commissioners of Boone County until 10 a.m., Oct. 18, for two reinforced-concrete bridges and repairing of another.

Ind., Martinsville—(Official)—Bids will be received until 2 p.m., Oct. 11, by S. Welton, Audr., Morgan County, for constructing and repairing a number of bridges.

Ill., Ottawa—Board of Supervisors of La Salle County plans bridge across Illinois River at Shippensport. Estimated cost, $140,000.

Ill, Rockford—(Official)—Bids will be received until 1 p.m., Oct. 29, by A. R. Carter, County Supt. of Highways, Courthouse, for bridge in Rockton Township, Winnebago County.

Iowa, Waukon—Bids will be received by Auditor of Allamakee County, until noon, Oct. 12, for steel superstructures for one 80-ft. two 100-ft. and 140-ft. bridge.

Minn., Montgomery—Bids will be received until 1 p.m., Oct. 18, by John Hickey, Town Clk., for two road bridges, Montgomery Township.

Minn., New London—Bids will be received until 3 p.m., Oct. 18, by A. A. Skeie, Township Clk., for bridge across Crow River between Sections 8 and 17, Township 121, Range 34.

Kan., Abilene—Commissioners of Dickinson County plan an expenditure of about $7,000 for bridge repairs.

Kan., Columbus—An expenditure of $8,000 contemplated by County Commissioners for repairing a number of bridges.

Kan., Concordia—County plans expenditure of $15,000 for eight reinforced-concrete bridges and repairing four steel bridges.

Kan., Wichita—Edgar V. Moore, Engr., Sedgewick County, preparing plans for four reinforced-concrete bridges for county.

Mo., Carthage—Bids will be received by Hugh McIndoe, Mayor, until Oct. 9, for sale of $30,000 bonds for viaduct.

Mo., Hillsboro—Election will be held in Jefferson County to vote $500,000 bonds for bridges and roads.

Mo., Joplin—Bids will be received by C. A. Robinson, Coms. of Revenue, until Oct. 9, for sale of $13,500 bonds for North Main St. viaduct.

Mo., St. Louis—Contract will soon be awarded for Chouteau Ave. viaduct.

Tex., Houston—(Official)—Bids will be received until 10 a.m., Oct. 11, by H. L. Washburn, County Audr., for two bridges on Humble and River Rd.

N. M., Roswell—Bids will be received until Oct. 11 by Board of County Commisioners of Chaves County for public highway bridge over the Rio Feliz near Hagerman.

Idaho, Boise—A bridge across Snake River at Grandview is contemplated by County Commissioners. Estimated cost, $5,000.

Idaho, Parma—Press reports state that bridge across Boise River at Parma contemplated. Estimated cost, $17,000.

Ariz., Florence—Commissioners of Pinal County contemplate two concrete bridges across the Gila River near Winkleman. Estimated cost of each $30,000.

Calif., Bloomfield—Bids will be received until Oct. 13 by Board of Supervisors of Sonoma County, Santa Rosa, for concrete bridge near Bloomfield.

Calif., Eureka—Bids will be received by County Supervisors until Oct. 13, for bridge at Field's Landing and culvert near Beatrice.

Calif, Grimes—Board of Supervisors of Sutter and Colusa Counties plan bridge across Sacramento River at Grimes. Estimated cost, $150,000.

Calif., Imperial—An appropriation of $27,500 made by Board of Supervisors of Imperial County for bridges.

Calif., Madera—(Official)—Bids will be received by W. C. Utter, City Clk., until 8 p.m., Oct. 18, for bridge across Fresno River. Estimated cost, $10,500. Noted Sept. 23.

Calif., Modesto—Board of Supervisors provided a fund of $85,000 for bridges over Tuolumne River at Modesto.

Calif., San Bernardino—A new bridge across Mojave River between Victorville and Hesperia planned by County Supervisors.

Calif., Ventura—Bids will soon be received by County Board of Supervisors for La Crosse bridge. Estimated cost, $10,000.

Calif., Visalia—Bids will be received until Oct. 13 by City Clk. for concrete bridge across Mill St.

Ont., Niagara Falls—According to press reports Canadian Northern Ry. plans to build bridge at Niagara Falls.

Bids In and Contracts Awarded

Mass., Norfolk—Contract for bridge in Lawrence St. awarded to JOHN McCOURT CO. Noted Aug. 19.

R. I., Providence—(Official)—Contract for steel work of Randall St. Bridge awarded to LOUIS F. SHOEMAKER & CO., Pottstown, Penn., at $4,869. Noted Sept. 9 and 23.

Conn., Bristol—Contract for bridge over Pequabuck River awarded to PIERSON ENGINEERING CO., Hartford. Noted Sept. 2.

N. Y., Binghamton—Bids were received by Board of Contract and Supply for bridges as follows: Bridge over Pierce Creek at Conklin Ave., Michael Barber, $5,500; Owego Concrete Co., $5,500; Water St. Bridge, Foster Construction Co., $8,658; Eldridge St. Bridge, Foster Construction Co., $12,975. Noted Aug. 26.

Penn., Harrisburg—(Official)—Contract for bridge in Shippen Township, Cameron County, awarded to FARRIER ENGINEERING CO., Pittsburgh, at $4,888, and bridge in Davidson Township, Sullivan County, to WHITTAKER & DIEHL, Harrisburg, at $4,258. Noted Sept. 23.

Penn., Phoenixville—Bids were received by Commissioners of Montgomery County, Norristown, for bridge across Schuylkill River between Phoenixville and Mont Clare as follows: B. A. Sheeler, Potstown, $63,440; Ferre Concrete Co., Harrisburg, $55,400, and C. M. Heed Co., Pittsburgh, $92,800. Noted Sept. 23.

Ga., Macon—Contract of steel viaduct from Bay to Third St. for Central of Georgia Ry. awarded to VIRGINIA BRIDGE AND IRON CO., Roanoke, Va., at about $90,000.

Ind., Hammond—Contract for temporary bridge and permanent structure over Grand Calumet River at Calumet Ave. awarded to PHEE BROS., Chicago, at $72,500.

Ill., Edwardsville—Contract for bridge over Cahokia Creek for Illinois Central R.R. awarded to DECATUR BRIDGE & IRON CO., at $8,000.

Wis., Eau Claire—Contract for bridge on Menomonie St. awarded to STEIN CONSTRUCTION CO., Medford, at $5,477.

Wis., Green Bay—Contract for bridge over East River at Pleasant St. awarded to GRELLING BROS., Green Bay. Noted July 29.

Iowa, Carroll—Contract for bridge and culvert awarded awarded to PICKUS ENGINEERING AND CONSTRUCTION CO., Sioux City, at about $14,000.

Iowa, Harlan—Contract for eight steel bridges in Shelby County awarded to DES MOINES BRIDGE AND IRON WORKS, Des Moines, at $15,500.

Iowa, Red Oak—Contract for bridge across river at Grant awarded to RED OAK BRIDGE AND IRON WORKS, Red Oak, at $6,400.

Kan., Leavenworth—Contract for 21 bridges awarded to LEAVENWORTH BRIDGE CO., at $18,397, and two bridges to J. S. WARD, at $5,735.

Neb., Tekamah—(Official)—Contract for bridges awarded to MINNEAPOLIS STEEL AND MACHINE CO., Minneapolis, Minn., at $14,500. Noted Sept. 9.

S. D., Canton—Contract for bridge across Big Sioux River awarded to DES MOINES BRIDGE AND IRON WORKS.

Mo., St. Louis—Contract for bridge on Olive St. Rd. awarded to MILLER & BORCHERDING, St. Louis, at $4,800.

Ark., Ashdown—Contract for 16 concrete bridges awarded to MILLER & CALDWELL, Texarkana.

Tex., Estelline—Contract for bridge across Red River awarded to AUSTIN BROS., Dallas, at $13,000.

Tex., Orange—Contract for bridge across inter-costal canal near Orange awarded to BLODGETT CONSTRUCTION CO., Galveston.

Okla., Cherokee—Contract for bridge across Salt Fork awarded to KANSAS CITY BRIDGE CO., Kansas City, Mo., at $7,963.

Okla., Claremore—Contract for bridge for Rogers County awarded to R. W. CANFIELD, at $17,900.

Okla., Henryetta—Contract for six steel bridges awarded to MISSOURI VALLEY BRIDGE CO., Kansas City, Mo., at $13,544.

Calif., Fairfield—Contract for bridge on State Highway from Yolo to Solano County awarded to CLINTON FIRE-PROOFING CO., San Francisco, at $30,500.

Calif., Los Angeles—Contract for bridge over Rio Hondo at Garvey Ave. awarded to F. W. STEFFGEN, 116 East Ninth St., Los Angeles, at $4,343.

Calif., Templeton—Contract for concrete bridge over Paso Robles Creek near Templeton awarded to GUTLEBEN BROS., San Francisco, at $11,773.

Calif., San José—Contract for reinforced-concrete bridge across Guadalupe Creek awarded to M. KILCOURSE, San José, at $6,850.

Man., Headingly—Contract for bridge over Assinibone River awarded to BUCHANAN & CO., 408 Builders' Exchange, Winnipeg.

WATER-WORKS

Proposed Work

Maine, Newport—Newport Water Co. plans reservoir on Stuart Hill and pump station. G. M. Barrows, Supt.

R. I., Providence—Frank E. Winser, Providence, appointed Chief Engineer of proposed new water system. Work will include storage reservoir, dam, water shed, filter beds, etc. Estimated cost, $12,000,000.

Conn., Wethersfield—Fire District No. 2 has been created. Hartford Water Works Co. will install water mains.

N. Y., New York—(Official)—Bids will be received by Board of Water Supply, Municipal Bldg., until 11 a.m., Oct. 19, for two steel frame buildings for drainage chambers, Shafts 11 and 21, Catskill Aqueduct, under Contract No. 166. (See Adv.)

N. Y., Niagara Falls—Bonds for $38,000 sold for extension of water mains.

N. Y., Waterloo—Citizens contemplate dam across outlet of Junius Pond for municipal water supply.

N. J., Wildwood—Citizens voted to purchase plant of Wildwood Water-Works Co. and plan to improve same.

Penn., Punxsutawney—City plans municipal water system. E. W. Hess, Clearfield, Borough Engr.

Penn., Ringtown—Election will be held Nov. 2 to vote $12,100 for municipal water system.

Penn., Waynesboro—Waynesboro Water Co. contemplates new reservoir.

Va., Mineral—City plans water system and electric-light plant.

N. C. Asheville—Bee Tree watershed taken over by city. Improvements costing $20,000 contemplated.

N. C., Hertford—Bids will be received until Oct. 12 by City Clk., for water and sewer systems. J. B. McCrary Co., Atlanta, Ga., Engr.

N. C., Wilson—Bonds for $170,000 sold. Proceeds will be used for water system, paving and gas plant. Noted Sept. 16 and 23.

S. C., Orangeburg—City plans to improve and enlarge water system and electric-light plant. Estimated cost, $50,000. Edward Hawes, Jr., City Engr.

Ga., Atlanta—Election to vote $750,000 bonds for improving water system postponed until next year. Noted Aug. 5 and 19.

Ga., Atlanta—Press reports state that approximately 9,000 ft. of 8-in. water main from city limits to park at Lakewood will be laid by city. Estimated cost, $74,000.

Ga., Helene—Citizens voted $8,000 bonds for water system. Noted Sept. 9.

Ga., Wadley—City will build water system. T. B. Johnson, Mayor.

La., Opelousas—City plans to issue bonds for water system.

Tenn., Knoxville—City plans to issue $500,000 bonds for pumping plant and other improvements.

Ohio, Athens—Citizens will vote on $50,000 bonds for extension to water system.

Ohio, East Youngstown—(Official)—Bids will be received until Dec. 1 by Carl R. Anderson, Village Clk., for water system. Estimated cost, $165,000. Noted Sept. 23.

Ohio, Tiffin—Concrete dam will be constructed by Tiffin Water Works Co. next year. Noted Sept. 2.

Ind., Shelbyville—Interstate Public Service Co. will replace 4-in. mains with 6-in. main and install 8- and 10-in. mains.

Ind., Van Buren—Bids will be received until 2 p.m., Oct. 21, by Town of Van Buren, for c.-i. pipe and pumping equipment. (See Adv.)

Mich., Three Rivers—Bids will be received until 1 p.m., Oct. 21, by E. A. Schall, City Clk., for water and electric-light systems.

Ill., North Chicago—Installation of filtration plants under consideration. Estimated cost, $20,000.

Ill., Poplar Grove—Bids will be received by R. S. Keene, Clk., Village Board of Trustees, until Oct. 12, for brick and stone pumping station.

Wis., Brodhead—Plans being prepared by W. G. Kirchhoffer, Engr., 31 Vroman Bldg., Madison, for head gates.

Attica, Kan.—Bids will be received by J. C. McCaddon, City Engr., until Oct. 14, for water and electric-light systems. Estimated cost, $30,000. E. T. Archer Co., Kansas City, Mo., Engr. Noted Sept. 2 and 9.

Neb., Broken Bow—See item under "Light, Heat and Power."

Ark., Argenta—City Council will issue $500,000 bonds to purchase plant of Arkansas Water Co. and to improve and enlarge same.

Ark., Beebe—Plans prepared by Lund & Hill, Engr., Southern Trust Bldg., Little Rock, Ark., for water system. Estimated cost, $15,000.

Ark., Morrillton—Water & Electric-Light systems of Morrillton sold to Arkansas Light & Power Co., Arkadelphia, who plan to improve same.

Tex., Galveston—(Official)—Bids will be received by John D. Kelley, City Secy., until Oct. 14, for reconstructing 36-in. submerged water main. Noted Sept. 23.

Tex., Slaton—Bonds for $10,000 voted for water system.

Okla., Grove—Contract will soon be awarded for extension of water system. Bonds for $10,000 sold for this purpose. Noted Aug. 5 and Sept. 9.

Colo., Akron—Election will be held Oct. 19 to vote $20,000 bonds for water system.

N. M., Carlsbad—Bids will be received until Oct. 12 for improving water system. Estimated cost, $60,000.

Idaho, Aberdeen—Citizens contemplate municipal water system.

Idaho, Bonner's Ferry—Bonner's Light and Water Co. plans new water system on North Side. Estimated cost between $12,000 and $15,000.

Idaho, Twin Falls—Public Utilities Commission petitioned by City Council for permission to install municipal water system.

Wash., Colville—New water system contemplated by City Council.

Wash., Raymond—City Council plans to extend water system up South Fork River. Estimated cost, $100,000.

Wash., Seattle—Plans for water mains in Dexter Ave. submitted to Board of Public Works. A. H. Dimock, City Engr. Estimated cost, $32,000. Noted Sept. 30.

Ore., Baker—(Official)—Election will be held Nov. 11 to vote $110,000 bonds for improving water system. L. R. Stockman, City Engr. Noted Sept. 23.

Ore., Milwaukee—Contract will soon be awarded for completion of municipal water system. Noted July 29 and Sept. 9.

Calif., San Francisco—City plans to extend high-pressure service system. About $17,000 available for this purpose.

Ont., Dundas—City will extend water system. Estimated cost, $25,000.

Bids In and Contract Awarded

Maine, Anson—Contract for water system awarded to HANSCOM CONSTRUCTION CO., 70 Kilby St., Boston, Mass. Estimated cost, $35,000.

N. C., Ayden—Contract for water system awarded to J. B. McCRARY CO., Atlanta. Noted Sept. 2.

Ky., Covington—L. Eid Concrete and Steel Co., at $23,090 for one line and $29,446 for two line, was low bidder for excavation for duplicate supply main for Licking River. Noted Sept. 30.

Ohio, Medina—Contract awarded to LYNN & CAHOON, Akron, at $7,884, for extensions to water system. Noted Sept. 16.

Ohio, Oberlin—Contract for reservoir awarded to POWER CONSTRUCTION CO., Cleveland, at $6,833. Noted Aug. 12 and Sept. 9.

Ill., Dundee—Contract for new east side reservoir awarded to LOGAN & GIERTZ, Elgin.

Ill., St. Charles—Contract awarded to H. B. HALLET, Aurora, at $12,113, for extensions to water mains. Noted Aug. 19.

Wis., Monticello—Contract for water system awarded to J. N. ROBERTS, Madison. Noted Sept. 2.

Iowa, Urbana—Contract awarded to DES MOINES BRIDGE & IRON CO., Des Moines, at $5,735, for water system. Noted Sept. 16.

Minn., Carlton—Pastorette Co., Duluth, submitted lowest bid for water system. Noted Sept. 9 and 16.

Minn., Virginia—(Official)—Contract for mixed pressure steam turbine awarded to GENERAL ELECTRIC CO., Chicago, Ill., at $29,200. Noted Aug. 26.

S. D., Gayville—Contract awarded to ELLERMAN, McLAIN CONSTRUCTION CO., Yankton, at $5,577, for water system. Noted Sept. 9.

N. D., Fargo—(Official)—Contract for 1,160 ft. of water main awarded to C. H. PORRITT, Fargo, at $1.15 per ft. F. L. Anders, Engr. Noted Sept. 23.

Mont., Whitehall—(Official)—Contract for water and sewer systems awarded to INDEPENDENT CONTRACTING CO., Bozeman, at $26,013. G. E. Baker, City Engr. Noted Sept. 2.

Mo., Fayette—See item under "Sewers."

Colo., Orchard City—Contract for water system awarded to BUTTERFIELD & MOYNIHAN, Montrose, at $45,000.

Utah, Myton—Contract awarded to J. C. LYMAN, 722 Sixth Ave., Salt Lake City, at $10,350, for water system. Noted Sept. 9.

Ont., Ottawa—(Official)—Low bids for overland pipe work submitted as follows: Pipe, Laurin & Leitch, Montreal, Que., $194,400; specials—42-in., Victoria Foundry Co., Ottawa, $12,455; valves—42-in., General Supply Co., Ottawa, $14,518; pipe trench and laying pipe, Thomas McLaughlin, $63,514; pumps, (2) Boving Hydraulic & Engineering Co., Montreal, Que., $10,900 and $15,600 respectively. Noted July 29.

SEWERS

Proposed Work

Mass., Boston—Plans being prepared for automatic pumping station for South End. Estimated cost, $400,000.

Mass., Boston—(Official)—Bids will be received until noon, Oct. 8, by Edward F. Murphy, Comr. of Pub. Wks., for pipe sewers and drains in Lithgow and Patterson St., Dorchester District.

Mass., Boston—(Official)—Bids will be received until noon, Oct. 11, by Edward F. Murphy, Comr. of Pub. Wks., for pipe sewers and drains in Ripley Rd. and Harwood St., Dorchester District.

Mass., New Bedford—City Council has authorized expenditure of $65,000 for intercepting sewers. William F. Williams, City Engr.

R. I., Providence—(Official)—Bids will be received until 2:15 p.m., Oct. 11, by Board of Contract and Supply, for sewers in various streets. Noted Sept. 30.

N. Y., Canadaigua—Board of Public Works will extend sewer system in North Main St.

N. J., Hightstown—Election will be held to vote on $15,000 bonds for water and sewer extensions.

N. J., Seaside Park—(Official)—All bids received Sept. 24 for sewers and sewage-disposal plant have been rejected. New bids will be received until 8 p.m., Oct. 18. Remington & Vosburg, Market St., Camden, Engr. Noted Sept. 16.

N. J., Toms River—Citizens contemplate sewer system.

Md., Baltimore—Sand bed and concrete channel will be built at sewage-disposal plant under Sanitary Contract No. 163. Charles England, Chn. Sewerage Comrs.

Va., Richmond—City Council asked to appropriate $188,915 for completion of sewer system in Manchester district.

N. C., Albermarle—Bids will be received until Oct. 15 by M. J. Harris, Mayor, for sewer system. Anderson & Christie, Charlotte, Engr. Noted Aug. 26.

N. C., Hertford—Bids will be received until Oct. 12 by city for sewer and water system. J. B. McCrary Co., Atlanta, Ga., Engr.

Ga., Atlanta—Bond election to be held Sept. 16 to vote $3,358,000 for municipal improvements postponed until spring. Noted Aug. 12.

Ga., Helena—Bonds for $12,000 voted by citizens for sewer system.

Fla., Jacksonville—Citizens voted to issue $500,000 bonds for sewers.

Tenn., North Chattanooga—(Official)—Bonds for $50,000 for sewer work sold. H. W. Longley, Town Clk. Noted Sept. 23.

Ohio, Cheviot—Bids will be received until Oct. 13 by Albert J. Heusing, Village Clk., for trunk sewer in ravine east of Glenmore Ave., in North Glenmore Ave.

Ohio, Cuyahoga Falls—Election will be held Nov. 2 to vote on $60,000 bonds for sewage-disposal plant.

Ohio, Dayton—(Official)—Bids will be received until noon, Oct. 11, by Hugh E. Wall, City Accountant, for purchase of $40,000 sewer bonds for sanitary sewers in Dist. No. 6.

Ohio, East Liverpool—City Council authorized sanitary sewers in various streets.

Ohio, Mt. Vernon—A. A. Graham, Mt. Vernon, at $11,129, submitted the lowest bid for sanitary sewer in Adams St.

Ohio, Port Clinton—Frank Mannello, Pittsburgh, at $6,952, submitted the lowest bid for sewers in District No. 4.

Ill., Chicago—Bids will be received by John McGillen, Clk., Sanitary District, until noon, Oct. 21, for Section 13 and 14, Calumet Sag Channel.

Ill., Roseville—Village Board retained engineer to prepare plans for a sewer system.

Ill., West Chicago—Construction of sewer system under consideration by City Council.

Wis., Appleton—Bids will be received until 9 a.m., Oct. 10, E. L. Williams, City Clk., for sewers in Richmond St.

Wis., Ashland—Bids will be received until Oct. 14 by W. V. Morris, City Clk., for sewers in various streets. Conrad J. Wadak, City Engr. Noted Sept. 16.

Iowa, Council Bluffs—Bids will be received until Oct. 11 by Charles J. Duff, City Clk., for sewers.

Iowa, Des Moines—(Official)—Bids will be received until 9 a.m., Oct. 13, by Horace Susong, City Clk., for sewer work in various streets.

Iowa, Lisbon—All bids received for sewer system rejected. New bids will be received. T. R. Warriner, Dows Bldg., Cedar Rapids, Engr. Noted Sept. 30.

Iowa, Muscatine—Citizens contemplate sanitary sewer in Mad Creek district. Charles Young, City Engr.

Iowa, Oakland—Bids will soon be received for sewer system. Noted Sept. 30.

Minn., Buhl—Bonds for $70,000 sold. Part of proceeds will be used for sewers.

Neb., Bridgeport—(Official)—Bids will soon be received for about 10,800 ft. of 8-in. vitrified clay lateral sewers. F. A. Roland, 402 Nebraska State Blk. Bldg., Lincoln, Engr.

Neb., Loup City—Plans being prepared by J. Wolf, City Engr., for sewer system. Estimated cost, $10,000.

N. D., Willow City—Board of Regents has authorized improvements to sewer system.

Mo., Cape Girardeau—Surveys made for outlet sewer. Estimated cost, $150,000. Christopher Stiver, City Engr.

Mo., St. Joseph—Citizens defeated bond issue for $1,048,000, for sewers, fire department, parks, electric lights, street improvements, reservoir, garbage disposal, work house, city hospital and asphalt plant.

Tex., Marlin—Citizens voted $120,000 bonds, part of which will be used for sewers.

Tex., San Benito—City will build sewage-disposal plant. V. M. Ehlers, Austin, State Engr.

Okla., Cushing—Benham Engineering Co., Oklahoma City, preparing plans for intercepting sewers in various streets. Estimated cost, $30,000. Noted Sept. 30.

Colo., Hugo—Council has created sanitary sewer district No. 1. Estimated cost of sewers, $12,000. J. C. Halloway, City Clk.

Ore., Portland—Plans will soon be completed for reconstruction of lower end of Tanner Creek trunk sewer. Estimated cost, $50,000.

Calif., Compton—Bids will be received until Oct. 12 by City Clerk, for sewer system. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, Engr.

Calif., Pittsburg—Bids will soon be received by Town Trustees for sewer in East Third St.

Calif., Willow—Plans being prepared for sewers in new improvement district. Estimated cost, $20,000. John R. Ryan, Engr.

B. C., Esquimalt—Citizens plan enlarging sewer system in residential sections.

Bids In and Contracts Awarded

N. Y., Brockport—(Official)—Contract awarded to SUBURBAN ENGINEERING CO., 15 West 38th St., New York, at $21,206, for sewage disposal plant. Noted Sept. 16.

N. Y., New York—(Borough of Queens)—(Official)—Bids were received Sept. 30 for sewers under Contract No. 1, 2, 3, 4, 5, 6, 7 and 8. Low bidders are as follows: Joseph L. Sigretto, 20 Curtis Ave., Richmond Hill, N. Y., $57,720 (1); Green Contracting Co., 292 Fifth Ave., Brooklyn, $22,847, (2); James H. Johnson, Beekman & Cliff St., New York, $15,755, (5); Green Contracting Co., $5,810, (4); J. J. Long & Co., 757 Lexington Ave., New York, $360, (5); Evergreen Construction Co., $125, (6); Peace Bros., $155, (7); and Joseph L. Sigretto, $8,787, (8). Noted Sept. 23.

N. Y., New York—(Borough of Richmond)—(Official)—Bids were received Sept. 28 by Calvin D. Van Name, Borough Pres., for sewage-disposal plant as follows: O'Brien & Fleming, 109 Broad St., Manhattan, $4,374; J. E. Donovan, $4,832 and Joseph Johnson Sons, $4,445. Low bidder for outlet sewers at Taylor St., A. M. Hazell, 90 West St., Manhattan, $2,939. Noted Sept. 23.

N. J., Newark—William G. Sharwell & Co. has abandoned its contract for superstructure for pumping station for Passaic Valley Sewerage Commission, because of mistake in figuring its bid. Noted Sept. 23.

N. C., Ayden—Contract awarded to J. B. McCRARY CO., Atlanta, Ga., at about $15,000, for sewer system. Noted Sept. 2.

Ohio, Norwood—Contract awarded to JOHN DEMPSEY, Norwood, at $7,500, for sewer in Lexington Ave.

Ohio, Toledo—(Official)—Contract awarded to THOMAS J. KELLY, Toledo, for local sanitary sewer No. 12 in Subdistrict No. 1. Noted Sept. 16.

Ind., Princeton—Contract awarded to JOHN L. NEWMAN, Evansville, at $6,126, for sanitary sewer system. Noted Sept. 23.

Mich., Ann Arbor—(Official)—Contracts awarded by Board of Public Works to WILLIAM EDDY & SON, Saginaw, at $3,248 for sewer work in District No. 68, and at $8,955 for Glenn Ave. sewer; to THOMAS JOYCE, Kokomo, Ind., at $205 for District No. 69, $390 for District No. 70, at $217 for District No. 71, and $10,500 for District No. 72. Noted Sept. 16.

Ill., Marion—Contract awarded to HOEFFKEN BROS. CONSTRUCTION AND SUPPLY CO., at $7,267, for sewage-disposal plant.

Wis., Appleton—All bids received Sept. 23 for sewers rejected.

Wis., Kenosha—Contract awarded to JAMES KENNEDY, Fargo, N. D., at about $250,000, for sewers in various streets. Noted Sept. 9.

Wis., Oconomowoc—Contract awarded to A. J. HEWITT, Milwaukee, at $7,000, for sewer and water mains.

Iowa, Ames—Contract awarded to DEARBORN CONSTRUCTION CO., Waterloo, at $24,788 and $13,961 for two sanitary sewers and at $28,937, for storm water sewer. J. T. Wickam, Ames., Engr.

Iowa, Muscatine—Contracts for sewers awarded to WINBERGER & KINSLEY, Mucatine, and INDEPENDENT CONSTRUCTION CO., Davenport, at $1,870 and $4,647 respectively.

Iowa, Webster City—Contract awarded to ZITTERELL & SULLIVAN for sewers in Webster, Broadway and Wauneta Court.

Minn., Eveleth—Contract awarded to LAWRENCE McCANN CO., at $12,000, by City Council for sewer extensions.

Minn., Excelsior—Contract awarded to GRAND FORKS CONCRETE CO., Grand Forks, N. D., for storm sewers. Noted Sept. 9.

Minn., Lyle—(Official)—Contract awarded to WILLIAM DANFORTH, Hackney Bldg., St. Paul, at $14,500, for sewer work. Noted Sept. 16.

Minn., Osakis—Contract awarded to O. C. EVENSON, for septic tank for sewer system.

Minn., St. Paul—(Official)—Contract awarded to O'NEIL & PRESTON, St. Paul, at $24,645, for sanitary sewer system. A. Hohrustein, Pur. Agt. Noted Sept. 23.

Neb., Wayne—Contract awarded to GEORGE L. VLASNIK for sanitary sewer in District No. 4.

Mont., Whitemall—(Official)—Contract awarded to INDEPENDENT CONTRACTING CO., Boxeman, at $26,013, for sewer system and Imhoff tank. Noted Sept. 9.

Mo., Fayette—Contract awarded to MORENO, BROOKS & BURKMAN, Syndicate Trust Co. Bldg., St. Louis, at $35,800, for sewer system and improvements to water system.

Tex., Dallas—Contract awarded to WINSLETT-ELDRIDGE CO., at $4,377, by City Commission for Cedar Creek outfall sewer.

Utah, Richfield—Contract awarded to JAMES KENNEDY, Salt Lake City, at $21,525 for sewer system and septic tank.

Calif., Marysville—Contract awarded to STANELY & OSTRANDER, Sausalito, at $13,500, by City Council, for extending sewers.

Ont., Hull City—Contract awarded to BISSON & CARON, at $10,796, for sewer in Laval St.

Ont., Toronto—Contract awarded to TUSSELL McREYNOLDS CO., 366 Keele St., Toronto, at $475,000, for sewers in Russel Hill Rd.

GARBAGE

Proposed Work

N. J., Atlantic City—Specifications prepared by J. Bacharach, Dept. Parks & Pub. Property, for disposal of garbage for five years.

Ga., Columbus—City will build new incinerator at Ninth St. and Eighth Ave.

Ill., Elgin—City Council contemplates incinerator and disposal plant. Estimated cost, $12,000.

Ark., Pine Bluff—Construction of incinerator under consideration.

STREETS AND ROADS

Proposed Work

Mass., Boston—(Official)—Bids will be received until noon, Oct. 8, by Edward F. Murphy, Comr. of Pub. Wks., 511 City Hall Annex, for artificial stone sidewalks in Penfield St. from Belgrade Ave. to Birch St., West Roxbury.

Mass., Boston—(Official)—Bids will be received by Edward F. Murphy, Comr. of Pub. Wks., 511 City Hall Annex, until noon, Oct. 8, for artificial stone sidewalks in Day St. from Center to Minden St. and Creighton St. from Center to Day St., Roxbury.

Mass., Dorchester—(Official)—Bids will be received by Edward F. Murphy, Comr. of Pub. Wks., Room 511, City Hall Annex, Boston, until noon, Oct. 8 ,for paving St. William St. from Dorchester Ave. to Aukland St.

Mass., New Bedford—City Council passed a loan order of $30,000 for permanent road work. W. F. Williams, City Engr.

Conn., New Britain—Elm St. will be paved at an estimated cost of $27,000.

N. Y., Scarsdale—Village plans to improve and repair a large number of streets and to develop a system by next year for the cars of its 26 miles of improved highways and the development of new roads.

N. Y., Tonawanda—Board of Public Works plans to pave Seymour St. with concrete.

N. J., Montclair—(Official)—Bids will be received by Harry Trippett, Town Clk., until 8 p.m., Oct. 11, for paving Upper Mountain Ave. from Bloomfield Ave. to Jerome Pl. (See adv.)

N. J., Perth Amboy—(Official)—Bids will be received by Board of Chosen Freeholders of Middlesex County, County Record Bldg., New Brunswick, until 2:30 p.m., Oct. 18, for repairing Amboy Ave.

Penn., Bridgeville—City will increase its bonded indebtedness $15,000, part of which amount will be used for paving.

Penn., Greensburg—(Official)—Bids will be received until noon, Oct. 26, by John S. Sell, County Controller, Westmoreland County, for the Scottdale-Tyrone Mills Rd., Section 1, and the Jeanette-Grapeville Rd.

Penn., Philadelphia—(Official)—Bids will be received by Bureau of Highways, Dept. of Pub. Wks., Philadelphia, until Oct. 14, for grading, paving and repaving a number of streets.

Md., Salisbury—Bids will be received until Oct. 12 by Commissioners of Wicomico County for two miles of State-Aid highway upon or along Salisbury-Anderson's Mill Rd.

Va., Monterey—Bids will be received by J. M. Coland, Mayor, until Oct. 19, for paving Main St. Estimated cost, $4,000. Noted Aug. 26.

W. Va., Buckhannon—Election will be held Dec. 30 in Upshur County to vote $250,000 bonds for roads.

W. Va., Morgantown—Citizens of East Morgan district voted to issue $300,000 bonds for road improvements.

W. Va., Moundsville—Bids will be received by O. B. Bonar, City Clk., until Oct. 11, for paving a number of streets.

W. Va., Piedmont—Citizens defeated $36,000 bond issue for street improvements. Noted Aug. 5.

Asheville, N. C.—City plans to pave Gudger St. from Haywood to Hill St.

Fla., Pensacola—Bids will be received by City Commissioners until Oct. 17 for paving streets around Pensacola Hospital. Estimated cost, $10,000. Noted Sept. 2.

Fla., St. Andrew—Bonds for $24,000 voted for street improvements.

Fla., Tallahassee—Citizens of Leon County voted $200,000 bonds for roads. J. C. Moore, Chn., Comrs. of Leon County. Noted Sept. 9.

Tenn., Lonsdale—(Knoxville post office)—Election will be held Oct. 30 to vote $30,000 bonds for paving.

Tenn., Newport—Bids will be received until Oct. 16 by George W. Gorrell, Chn., Pike Com., for grading and macadamizing roads in Cocke County. Estimated cost, $150,000.

Tenn., Park City—(Knoxville post office)—According to press reports Magnolia Ave. will be paved with asphalt.

Tenn., Shelbyville—Election will soon be held in Bedford County to vote $20,000 bonds for roads.

Tenn., Sweetwater—Citizens voted $5000 bonds for street improvements. Noted Sept. 9.

Ky., Georgetown—Commissioners of Scott County considering election to issue $100,000 bonds for roads.

Ohio, Canton—City Council plans to pave Fourth St., S. E. and Sterling Ave., S. E. Estimated cost, $116,000.

Ohio, Cincinnati—(Official)—Bids will be received by Board of County Commissioners of Hamilton County, until noon, Oct. 8, for improving Red Bank Rd. from Wooster Pike to Brotherton Rd., Columbia Township.

Ohio, Cincinnati—(Official)—Bids will be received by Philip Fosdick, Dir. of Pub. Ser., City Hall, until noon, Oct. 11, for improving West Sixth St.

Ohio, Cleveland—Election will be held Nov. 2, to vote $300,000 bonds for improving Carnegie Ave. from East 89th St. to Blvd.

Ohio, Napoleon—Bonds for $15,200 for paving West Main St. will be sold.

Ohio, Woodsfield—Bonds for $20,000 sold for road improvements in Monroe County.

Ohio, Youngstown—(Official)—Bonds for street paving sold. Noted Sept. 16.

Ind., Albion—Citizens voted $50,000 bonds for 54 miles of highway in Noble County.

Mich., Howell—Bids will be received by B. Beurmann, Highway Comr., until 2 p.m., Oct. 11, for 6¾ miles of road in Genoa Township.

Mich., St. Joseph—Bids will be received about Nov. 1 for surfacing 48 miles of road in Berrien County. Estimated cost, $355,000.

Ill., East St. Louis—Board of Local Improvements plans to pave Broadway between Rock Rd. and Third St.

Ill., Lincoln—City plans an expenditure of $25,000 for street paving.

Iowa, Davenport—Board of Local Improvements plans to pave Eighth Ave. between 24th and 29th St.

Iowa, Dubuque—City Council plans to improve Grandview Ave.

Iowa, Ft. Dodge—Bids will soon be asked for constructing a number of sidewalks.

Iowa, Muscatine—Board of Supervisors of Muscatine County plan an expenditure of $12,000 for improving part of Muscatine-Nichols Rd.

Kan., Atchison—(Official)—Bids will be received by Victor L. King, City Clk., until March 1, for paving Main St. from Second to Fourth St. and Ninth St. from Santa Fé to Laramie St. Noted Sept. 23.

Neb., Lincoln—Bids will be received by H. E. Wells, Clk., Lancaster County, until Oct. 27, for construction of paving District No. 9.

Neb., North Platte—Citizens voted $16,000 bonds for paving.

Mo., Hillsboro—Election will soon be held in Jefferson County to vote $500,000 bonds for roads and bridges.

Mo., Jefferson City—Election to vote $150,000 bonds for roads in Cole County scheduled for Oct. 19 postponed until latter part of November. Noted Aug. 5 and Sept. 2.

Ark., Mt. Ida—Cmmissioners of Montgomery County plan to form road district for pike road from Mt. Ida to Hot Springs.

Ark., Pulaski Heights—City Council plans to improve Lee Ave. between intersection of Martin St. and Prospect Ave. and Laurel St.

Tex., Batesville—Election will soon be held in Zavalla County to vote $15,000 bonds for roads.

Tex., Franklin—According to press reports Commissioners of Robertson County, Precinct No. 6, plan to vote $100,000 bonds for roads.

Tex., Hillsboro—(Official)—Bids will soon be received for paving a number of streets.

Tex., Terrell—Bids will be received by F. W. Raley, Secy., Road Dist., until 2 p.m., Oct. 28, for graveling macadam roads. Estimated cost, $200,000.

Okla., Clinton—City plans to pave Frisco Ave.

Okla., Newby—(Official)—Citizens defeated $20,000 bonds for roads. Noted Sept. 23.

Okla., Tishomingo—(Official)—Citizens defeated $35,000 bond issue for road work. Noted Sept. 23.

N. M., Deming—Citizens voted $100,000 bonds for highways. Noted Aug. 12.

Idaho, Boise—Bids will be received by G. R. Barker, Secy. State Highway Comn., until Oct. 15, for seven miles of Idaho-Pacific State Highway. Estimated cost, $8,500.

Ariz., Globe—Election will be held Oct. 19 to vote $500,000 bonds for roads in Gila County.

Ariz., Nogales—Election will be held Oct. 23 in Santa Cruz County to vote $150,000 bonds for highways.

Ariz., Phoenix—Board of Supervisors approved $35,000 bonds for street improvements in School District No. 1

Ariz., Yuma—An appropriation of $110,000 made by Yuma County for improving 110 miles of borderland highway.

Wash., Issaquah—Bids will be received until Oct. 12 by B. Phelps, Clk., Bd. of County Commissioners, Seattle, for Bond Rd. No. 18.

Ore., **Coquille**—Citizens contemplate an election to vote $440,000 bond issue for roads.

Calif., **Corona**—Bids will soon be received for paving North Main and River Sts. between the Santa Fé depot and county line.

Calif., **Hanford**—City Trustees plan to pave Park St. between Irwin St. and city limits.

Calif., **Los Angeles**—Bids will be received by H. J. Lelande, Clk., County Supervs., until 2 p.m., Oct. 11, for improving a portion of Harbor Truck Blvd.

Calif., **Sacremento**—Bids will be received until 2 p.m., Oct. 18, by California State Highway Commission, 515 Forum Bldg., for roads in various counties.

Calif, **San Francisco**—Board of Works plans to pave Beach St. from Hyde to Columbus Ave. and improve 19th Ave. between Vincente and Wawona St. Estimated cost, $4,050 and $8,000 respectively.

Calif., **Santa Barbara**—Bids will be received by C. A. Hunt, Clk., Bd. of County Supervisors, until Nov. 1, for paving Booths Point Rd. Estimated cost, $17,689.

Bids In and Contracts Awarded

Mass., **Boston**—Bids were received by State Highway Commission for highway in town of Norwell as follows: WILLIAM F. LOUD & SON, Wollaston, $10,806 (awarded contract); Pallotto & Davis Co., Lowell, $11,145; D. J. Sheehan Co., Lynn, $11,369. Noted Sept. 23.

Mass., **Boston**—Contract for grading walks, etc., in Ronan Park, Dorchester, awarded to JOHN C. COLEMAN & SONS, Roxbury, at $36,616.

Mass., **Malden**—Contract for concrete road on North Main St. awarded to HOLLAND CONSTRUCTION CO., Lawrence, at $1.49 per sq.yd.

Mass., **Marlboro**—Contract for granite block paving on Main St. awarded to SIMPSON BROS., CORPORATION, Boston, at $2.79 per sq.yd.

Conn., **Hartford**—Contracts for road work awarded by State Highway Commissioner as follows: Torrington Rd., Litchfield Township to LOUIS LONGHI & BRO., Torrington, at $6,870; Hartford Rd., Newington Township to THOMAS KEARNEY, Meridian, at $6,878; Hartford-New Haven Turnpike, Wallingford-North Haven Township to LANE CONSTRUCTION CORPORATION, Meridian, at $24,000; Stamford Township to R. G. MILLER CONTRACTING CO., Hartford, at about $31,000. Noted Sept. 16.

N. Y., **New York**—(Borough of Brooklyn)—(Official)—Charles A. Myers Contracting Co., Cypress and Willows Ave., Brooklyn, submitted the lowest bid for repaving Broadway from Havemeyer St. to Patchen Ave. at $114,286 and Topeka Paving Co., West 14th St. near Neptune Ave., Brooklyn, for repaving Surf Ave. from West 20th St. to West 37th St., at $43,070. Noted Sept. 23.

N. Y., **New York**—(Borough of Queens)—(Official)—The lowest bids received by Maurice E. Connolly, Borough Pres., for improving (a) Fairview Ave., (b) Parsons Ave., (c) Boulevard, were as follows: (a) Sicilian Asphalt Co., $1,622; (b) Thomas F. Tuchy, $2,060; (c) H. J. Mullen Contracting Co., $56,010. Noted Sept. 23.

N. Y., **Rochester**—Julius Friedrich, at $8,680, low bidder for paving Elmwood Ave.

N. J., **Belleville**—Contract for paving Overlook Ave. awarded to GLENFIELD CONSTRUCTION CO., at $15,042. Noted Aug. 26.

N. J., **Newark**—Contract for improving Front St. and Saybrook Pl. awarded to ALEXANDER J. MILMOE, Newark, at $23,621.

N. J., **Ridgewood**—Contract for concrete sidewalks and curbs in Rochelle Ave., Arcola Township, awarded to CHARLES T. MICHAEL, Rochelle Park, N. J., at $7,500. Noted Sept. 23.

N. J., **Trenton**—Bids were received for paving East Canal St. with granite block from C. A. Reid & Co., at $3.16 per sq.yd., and Easteburn and North Clinton Ave. with bermudez asphalt from Newton Paving Co., Trenton, at $1.52 per sq.yd.

Del., **Wilmington**—Bids were received for three miles of stone road on Kennett Pike from John F. O'Neill, Mt. Arba, and I. J. Hollingsworth, Elsmere.

Md., **Baltimore**—American Paving Co., at $0.19 per cu.yd., submitted the lowest bid for grading and paving Ellicott Driveway. Noted Sept. 16.

Md., **Baltimore**—American Paving Co., at $1.25, submitted the lowest bid for improving the Alamede Rd. between Hartford Rd. and Garrett property. Noted Sept. 9.

Va., **Bland**—(Official)—Contract for 2.46 miles of county road awarded to J. C. TUGGLE, Rocky Gap, at $6,990. Noted Sept. 23.

W. Va., **Clarksburg**—(Official)—Contract for paving North Fourth St. awarded to KEELEY BROS., Clarksburg, at $2.25 per sq.yd. A. J. Bishop, City Clk. Noted Sept. 23.

Fla., **Clearwater**—Commissioners of Pinellas County have declared election held recently to vote $715,000 bonds for brick highway, contract for which was awarded to EDWARDS CONSTRUCTION CO., illegal, and will hold another election. Noted Sept. 2 and 9.

Fla., **Clearwater**—Contract for concrete curb and gutter awarded to PINELLAS CONSTRUCTION CO., Augusta, Ga., at $6,987.

Fla., **West Palm Beach**—Contract for rock foundation for county road in District No. 5 awarded to GREYNALDS & MONROE, West Palm Beach; surfacing to EDWARDS CONSTRUCTION CO., Tampa. Noted Sept. 2.

Fla., **Winter Park**—Contract for brick pavement awarded to SOUTHERN CLAY MFG. CO., Chattanooga, Tenn., at $6,000.

Ala., **Camden**—Contract for road from Gastonburg to Clarke County line awarded to CENTRAL ALABAMA CONSTRUCTION CO., Selma, at about $70,000.

Ala., **Carrollton**—Contract for grading, draining and surfacing a portion of the Carrollton and Reform Rd. awarded to W. A. HICKS, Fayette, at $90,402. Noted Sept. 2.

Ala., **Scottsboro**—Contract for grading part of Woodville and Limrock Rd. awarded to F. D. HARVEY & CO., Woodville, at $9,157. Noted Sept. 16.

Miss., **Meridian**—Contract for curbs and gitters awarded to J. E. WRIGHT. Estimated cost, $8,000.

La., **Coushatta**—Contract for eight miles of road in Red River Parish awarded to W. E. GREEN, Lafayette, at $14,900.

Tenn., **Dayton**—Contract for 100 miles of macadam highway awarded to FREMAN & ROBBINS, Knoxville, at $210,000. Noted Sept. 9.

Tenn., **Elizabethton**—Contract for about 65 miles of macadam graded road between Elizabethton and Bluff City, to be a part of Memphis-Bristol Highway awarded to OLIVER-HILL CONSTRUCTION CO., Knoxville. Carter County recently voted $265,000 bonds for roads. Noted June 24 and Aug. 12.

Ky., **Barbourville**—Contract for 2.36 miles of pike awarded to T. J. VERMILLION.

Ky., **Princeton**—(Official)—Contract for two miles of macadam State-Aid highway awarded to DURRETT CONSTRUCTION CO., Louisville, at about $5,000 per mile.

Ohio, **Bexley**—Contract for paving Ridge Ave. awarded to H. E. BARTHMAN, Columbus. Noted Sept. 16.

Ohio, **Calcutta**—St. Clair Township Trustees rejected all bids for improving three roads.

Ohio, **Marion**—Contract for Winnemac Pike awarded to L. L. ALLEN, at $11,425; Marion and Ogasta Pike to F. M. WOLLEY at $8,175; Morral Pike to E. C. BRADY at $10,506.

Ohio, **Ravenna**—(Official)—Contract for improving Pratt St. from Main St. to Riddle Ave. awarded to LOWENSOHN & ULE, Ravenna, at $4,000. Noted Sept. 23.

Ohio, **Steubenville**—All bids for grading road at Laurel Hill, Jefferson County, rejected by Trustees of Island Creek Township. Noted Sept. 16.

Ohio, **Van Wert**—Contract for improving East Ridge Rd. awarded to McARTHUR & FOX, Belle Center.

Ind., **Plymouth**—(Official)—Contract for gravel roads in German and Center Townships awarded to MOYER & GOODALL, Laporte, and A. W. O'KEEFE, Plymouth, at $6,380 and $7,338 respectively. Noted Sept. 23.

Ind., **Rochester**—Contracts for roads awarded by County Commissioners as follows: Henry Township, two gravel roads to M. A. HALE, at $34,848; Bluff Rd. to H. H. STEWART at $13,680; Smith Rd. to HATCH & SARVEY at $9,750.

Mich., **Blissfield**—(Official)—Contract for macadam roads in Blissfield Township awarded to W. H. KNAPP & CO., Monroe. Noted Sept. 23.

Mich., **Jackson**—Contract for grading about three miles of Park Drive awarded to W. E. TENCH & CO., Detroit, at 22½c. per cu.yd.

Ill., **Atlanta**—Contract for paving business district awarded to JOHN E. BRETZ, Springfield, at $24,500.

Ill., **Chicago**—Lowest bids received by Board of Local Improvements for paving various streets and avenues were as follows: Campbell Ave., 8,200 sq.yd., F. P. McCormick at $1.74 per sq.yd.; Harding Ave., 2,000 sq.yd., R. F. Conway, at $1.78 per sq.yd.; 44th St., 4,800 sq.yd., R. F. Conway, $1.74 per sq.yd.; Leamington Ave., 1,920 sq.yd., American Asphalt Paving Co., at $1.69 per sq.yd.; Stewart Ave., 16,500 sq.yd., American Asphalt Paving Co., at $1.64 per sq.yd.; Ward St., 2,520 sq.yd., R. F. Conway ,at $1.70 per sq.yd.; Yale Ave., 66,800 sq.yd., Frank Proudfoot, at $1.48 per sq.yd.

Ill., **Huntley**—Contract for paving awarded to FAIR & TAYLOR.

Ill., **Jacksonville**—Contract for paving South Main St. awarded to INTERSTATE PAVING CO., East St. Louis, at $12,609.

Ill., **Kankakee**—Contract for paving Station St. from Harrison to Schuyler Ave. awarded to F. P. COUGHLIN CO., at $9,838.

Ill., **Monticello**—Lowest bids received by State Highway Commission, Springfield, for State Aid work in Platt County were as follows: C. A. Michael, Malloon, $28,250; A. Pfizenmayer, Jr., Terre Haute, $29,350; Granite City Lime and Cement Co., Granite City, $30,399.

Ill., **Rockford**—Contract for paving Fourth and 13th St. will be awarded about Oct. 20.

Ill., **Woodriver**—Contract for paving Whitelawn Ave. awarded to H. A. Grabbe, Alton, at $18,127.

Iowa, **Clear Lake**—Contract for paving awarded to BRYANT ASPHALT PAVING CO., Waterloo, at $86,000.

Iowa, **Creston**—(Official)—The contract for approximately 12,000 sq.ft. of cement sidewalk awarded to E. KENNEY & SONS, Creston, at $0.12 per sq.ft. Noted Aug. 19.

Iowa, **Des Moines**—Contract for paving First St. from New York Ave. to Euclid Ave. awarded to BRYANT ASPHALT PAVING CO.

Iowa, **Guthrie Center**—Remking Construction Co., Des Moines, at $71,000, submitted lowest bid for about 2½ miles of paving. Noted Sept. 2.

Minn., **St. Paul**—Keough Bros., at $8,300, submitted lowest bid for grading 8th St. in Franklin Addition.

Kan., **Hutchinson**—Contract for approximately 12,000 sq.yd. concrete paving awarded to McLEOD & CRANDALL, Hutchinson, at $1.17½ per sq.yd.

Mo., **Kansas City**—Contract for riprapping Blue Mills-Sibley Rd. awarded to DAVISON BROS., at $14,000.

Mo., **Nevada**—Contract for 12,000 yd. of pavement awarded to CLACK & WIGHT, Nevada, at $1.21 per sq.yd.

Mo., **St. Louis**—Contract for paving Magnolia Ave. awarded to WEBB-KUNZE CONSTRUCTION CO., at $13,257.

Mo., Sedalia—Contract for 9,200 sq.yd. vertical fiber brick with asphalt filler on Moniteau Ave., Eighth and 18th St. will be awarded about Nov. 1. Estimated cost, $16,100.

Tex., San Antonio—Contract for paving Haymarket and Market Plazas awarded to UVALDE ROCK ASPHALT CO., at $9,200.

Tex., Sulphur Springs—Contract for improving a number of streets awarded to THOGMARTIN & GARDNER. Noted Sept. 16.

Tex., Taylor—Contracts for paving awarded to UVALDE ROCK ASPHALT CO., San Antonio, and KAW PAVING CO., Topeka, Kan. Estimated cost of each, $150,000.

Okla., Ardmore—Contract for paving portion of Third Ave. awarded to SHELBY DOWNARD, at $5,923.

Okla., Poteau—Contract for paving awarded to J. W. ROOKS, McAlester, at $15,768.

Idaho, Pocatello—Contract for 26½ miles of highway in Bannock County awarded to REES & MUNSON, Blackfoot.

Wash., Bellingham—Contract for curbing, paving and guttering Madison and Walnut St. awarded to WASHINGTON PAVING CO., Tacoma, at $16,515.

Wash., Seattle—Contracts for paving awarded as follows: Mill St. to E. ARNOLD & CO., Seattle, at $11,260, and West Massachusetts St. to CASCADE CONSTRUCTION CO., at $33,984.

Calif., Eureka—Contract for grading Harris St. from D to S St. awarded to MERCER-FRASER CO., at $5,069.

Ont., Toronto—Contract for paving Bloor St. from Dundas St. to Indian Rd. and from Pacific to Hill Park Ave. awarded to CONSTRUCTION & PAVING CO., at $13,416 and $7,450 respectively; brick pavement on Bloor St. from Indian Road to Pacific Ave. to J. H. McKNIGHT CONSTRUCTION CO., at $19,004.

INDUSTRIAL WORKS

Proposed Work

Mass., Boston—Daniel P. Collins will build six-story factory at 170 Harrison Ave.

Mass., Springfield—A. G. Spaulding Co. will build three-story addition to its factory. Estimated cost, $20,000.

Mass., Taunton—Magee Range & Furnace Co. plans plant at Taunton.

Mass., Worcester—Norton Grinding Co. plans mill at estimated cost of $50,000. Clarence W. Daniels, Ch. Engr.

Conn., New Haven—Winchester Arms Mfg. Co. will build new structures at estimated cost of $2,500,000.

Conn., Waterbury—Chase Metal Co. has had plans prepared for three, two-story additions.

N. Y., Hornell—Davis Foundry Co. will build two-story, 40x100-ft., addition to its foundry and two ovens, 22x30 ft. each.

N. Y., Lockport—Fibre Corporation has had plans prepared for rebuilding its plant which was recently destroyed by fire. Estimated cost, $60,000.

N. Y., Rochester—George W. Brownyard Co., Inc., plans one- and two-story, 142x153-ft., factory in Winton Rd. near Main St. Estimated cost, $25,000. Noted Sept. 2.

N. Y., Rochester—Eastman Kodak Co. will build two-story, 43x140-ft. and five-story, 80x165-ft. additions.

N. Y., Solvay—Candee Incubator Co. will build one-story, 100x450-ft. factory.

N. J., Bayonne—Texas Co., 17 Battery Pl., New York, N. Y., will build service plant, one and three stories. Estimated cost, $75,000.

Penn., Philadelphia—William Cramp & Sons' Ship and Engine Building Co. plans improvements to its ship yard. Estimated cost, $700,000.

Penn., Philadelphia—Niagara Thread Co. will build one-story, 50x150-ft., factory on Erie Ave.

Penn., Philadelphia—North Broad Street Storage Co. will build six-story brick and reinforced-concrete building. Moores & Dunford, New York, N. Y., Arch.

Penn., Philadelphia—Louis Walker Mfg. Co. will build three-story reinforced-concrete factory on Torresdale Ave. M. Ward Easby, Arch.

Penn., Reading—Carpenter Steel Works will build two-story, reinforced-concrete factory at River Rd. and Exeter St. Estimated cost, $30,000.

Penn., Schuylkill Haven—Schuylkill Haven Foundry & Machine Co. will rebuild plant which was recently destroyed by fire.

Md., Fairfield—United States Alcohol Co. will build four one-story, 188x325-ft., factories.

Va., Lamberts Point—(Norfolk post office)—Norfolk & Western Ry. Co. contemplates grain elevator. Estimated cost, $2,000,000. Joseph E. Crawford, Roanoke, Ch. Engr.

W. Va., Huntington—Stroehmann's Vienna Bakery, Wheeling, will build branch baking plant in Huntington. Estimated cost, $100,000.

W. Va., Huntington—Warehouse Land Co. plans storage warehouse, 100x175 ft.

S. C., Greenville—T. R. Hapgood will build ice plant at Hampton Ave. and Southern R.R. Co. track.

Fla., Kissimmee—Tucker Brick Co. will build brick plant. Estimated cost, $500,000.

Miss., Biloxi—A packing plant will be constructed by International Longshoremen's Association. Estimated cost, $30,000.

Miss., Meridian—Hattiesburg Wood Reduction Co. plans additions. Estimated cost, $25,000.

La., Gueydan—Gueydan Rice Co. having plans prepared for two-story reinforced-concrete factory. Snoddy & Stanko Arch., 401 Shubert Bldg., Kansas City, Mo., Arch. Estimated cost, $20,000.

Ohio, Cleveland—Harry Bialosky, 554 Leader News Bldg., and associates will build iron and steel plant on St. Clair Ave. and Babbitt Rd. Estimated cost, $200,000.

Ohio, Cleveland—Cyclone Woven Wire Fence Co. will build five-story factory at East 54th and 55th St. C. J. Barnes, Pres. Estimated cost, $150,000.

Ohio, Cleveland—Revised plans prepared by W. J. Carter, Illuminating Bldg., Cleveland, and bids will soon be received for four-story factory on East 79th St. for Van Dorn & Dutton Co. Estimated cost, $60,000. Noted Sept. 2.

Ohio, Cleveland—(Official)—Bamberger-Teinthal Co. advises that it will not build additions within the year. Noted Sept. 23.

Ohio, Cleveland—Menstock & Reid Co. will build brick addition to its plant at 3261 West 25th St. Estimated cost, $18,000.

Ohio, Marion—Press reports state Interstate Iron & Steel Co., Chicago, Ill., contemplates plant at Marion to replace Cambridge plant.

Ind., Strobe—Julius Strobe Portland Cement Co. has plans by Hunt Engineering Co. of Kansas City for rebuilding its plant. Estimated cost, $500,000.

Mich., Grand Rapids—Keeler Brass Co. will build addition, 150x200 ft., to its factory.

Minn., Minneapolis—National Candy Co. will build plant at 120 Second Ave. Building will be brick, 95x162 ft. and cost $100,000.

Minn., Minneapolis—Northwestern Elevator Co. plans fireproof grain elevator. Charles A. Magnuson, Pres.

Minn., St. Paul—Plans being prepared by Foltz Engineering Co., St. Paul, for flour mill for St. Paul Milling Co. Estimated cost, $100,000.

Mont., Butte—Floyd Hamil & Co., Butte, preparing plans for creamery for city. Building will be two stories, 40x100 ft. Estimated cost, $35,000.

Mo., St. Joseph—St. Joseph Paper Co. plans to remodel its four-story factory at Fourth and Locust St. Estimated cost, $10,000.

Mo., St. Joseph—Western Tablet Co. will build addition at 11th St. and Mitchell Ave. Estimated cost, $30,000.

Mo., St. Louis—Mississippi Valley Cold Storage & Warehouse Co. has plans for addition to its plant at Main and Ashley St.

Tex., San Antonio—(Official)—Bids will be received until Dec. 14 by Walsh & Hutchins, for Luck Tire & Mfg. Co., for factory to manufacture 100 tires daily. Noted Sept. 23.

Okla., Muskogee—Davidson Mill & Elevator Co. will rebuild its grain elevator recently destroyed by fire. Estimated cost, $50,000.

Colo., Denver.—Western Chemical Mfg. Co. has plans for factory. Estimated cost, $12,000.

Ore., Albany—Thomas Pulp & Paper Mill Co. plans to build pulp and paper mill. R. Thomas is interested.

Ont., Amherstburg—(Official)—Falls Barron Co. states it will not build cold-storage plant as reported. Noted Sept. 23.

Bids In and Contracts Awarded

Mass., Boston—Contract awarded to JAMES DRISCOLL & SON CO., 95 Washington St., Brookline, for creamery in Camden St., for F. W. Paine.

Mass., Springfield—Contract awarded to ERNEST F. CARLSON CO., for two buildings for Springfield Foundry Co.

Mass., Indian Orchard—Contract awarded to ERNEST F. CARLSON CO., for two one-story, 32x80-ft., buildings for Springfield Foundry Co.

Mass., New Bedford—Contract awarded to TURNER CONSTRUCTION CO., by Merchants' Terminal Warehouse Co., for nine-story, 110x160-ft., warehouse.

Mass., Palmer—Contract awarded to E. D. WARD, for addition to plant No. 14 of Wright Wire Co.

Mass., Springfield—Contract awarded to F. S. VALENTINE CO., Springfield, at $14,000, for two-story, 62x66-ft., brick and concrete garage for M. C. Barrett.

Mass., Williamstown—Contract awarded to CHARLES E. WHITNEY, North Adams, by John S. Boyd Co., for bleach house. Noted Sept. 23.

Conn., New Britain—Contract awarded to B. H. HIBBARD CO., New Britain, for mill for New Britain Chamber of Commerce Building Co. on East Ellis St.

Conn., Waterbury—Contract awarded to CHATFIELD & CHATFIELD CO., 94 Benedict St., for factory for American Brass Co., on Bank St.

N. Y., Buffalo—Contract awarded to MONARCH ENGINEERING CO., Chamber of Commerce Bldg., at about $60,000, for grain elevator for Archer Daniels Co. Noted Sept. 3.

N. Y., Buffalo—Contract awarded to JOHN W. COWPER CO., 620 Fidelity Bldg., for four-story addition to plant of Curtiss Aëroplane Co. Noted Sept. 16.

N. Y., Buffalo—Contract awarded to WESTERN BUILDING CO., Buffalo, at $35,000, for seven-story brick and steel building for Gerhard Lang Brewing Co.

N. Y., Goshen—(Official)—Contract awarded to MILLER-REED CO., 103 Park Ave., New York, at $25,000, for two-story, 60x60-ft. stone garage for R. B. Tweedy.

N. Y., Jamestown—Contract awarded to CHARLES HAAS by D. H. Grandin & Co., Inc., for one-story, 114x210-ft., warehouse.

N. Y., Montour Falls—Contract awarded to COMPTON REALTY CO. by Shepherd Crane & Hoist Co. for one-story brick and steel addition to plant.

N. Y., New York—(Borough of Manhattan)—Contract awarded to GEORGE A. FULLER CO., 111 Broadway, for three-story store and office building at Nassau and Franklin St., for Sun Printing & Publishing Co. Estimated cost, $65,000.

N. Y., Seneca Falls—Contract awarded to T. H. McHALE CONSTRUCTION CO., Syracuse, for plant for Seneca Falls Mfg. Co. Noted Aug. 29.

N. J., Gloucester City—Contract awarded to WILLIAM STEELE & SONS CO. by Welsbach Co. for four three-story buildings. Estimated cost, $500,000.

N. J., Newark—Contract awarded to EDWARD M. WALDRON, INC., for 60x80-ft. factory on Columbia St., near Lafayette St., for Oelkers Mfg. Co. Estimated cost, $15,000.

Penn., Philadelphia—Hess-Bright Mfg. Co. awarded contract to HARRISON C. REA CO. for brick and steel, 40x200-ft. factory. Watson & Huckle, Arch.

Penn., Pittsburgh—Contract awarded to FETZERWINGER CO., at about $80,000, by E. W. Proeger, at 206 Second Ave., for six-story garage and warehouse. Noted Aug. 26.

Penn., Sharon—Contract awarded to WALLIS & CARLEY CO. by Pennsylvania Tank Car Co. for factory to double capacity of its plant.

N. C., Concord—Contract awarded to T. C. THOMPSON BRO., Charlotte, for 106x210-ft., cotton mill for Norcott Mill. Estimated cost, $175,000.

Ga., Atlanta—Contract awarded to GRIFFIN CONSTRUCTION CO., at about $17,000, for three-story, 72x95-ft. factory for E. G. Willingham.

Ga., West Point—Contract awarded to GALLIVAN BUILDING CO., Greenville, S. C., at about $500,000, for addition to mill of West Point Mfg. Co.

Ala., Mobile—Contract awarded to STONE & WEBSTER ENGINEERING CORPORATION, 107 Milk St., Boston, Mass., at about $1,000,000, for buildings and wharves for Terminal Transfer & Storage Co. Noted Sept. 23.

La., New Orleans—Contract awarded to JEFFERSON CONSTRUCTION CO., $38,322, for foundation for municipal grain elevator.

Tenn., Nashville—Contract awarded to FOSTER & CREIGHTON CO., Nashville, by Ford Motor Co., for three-story, 75x170-ft. assembling plant. Noted July 29.

Ohio, Cleveland—Contract awarded to S. W. EMERSON CO., Chamber of Commerce Bldg., for factory at 2206 Parkwood Drive for Steel Products Co. Estimated cost, $30,000. Noted Sept. 30.

Ohio, Cleveland—(Official)—Contract awarded to DE HAMEL CONSTRUCTION CO., at $30,000, for garage for American Express Co. Noted Sept. 23.

Ohio, Mansfield—Contract awarded to ALBERT HANCOCK by Perfection Bed Spring Co. for two-story, 50x140-ft. brick factory at Erie R.R. near Orange St.

Ohio, Youngstown—Contract awarded to UNITED ENGINEERING AND FOUNDRY CO., Pittsburgh, Penn., for two tube mills for Republic Iron and Steel Co. Estimated cost, $500,000. Noted July 29.

Ill., Chicago—Contract awarded to WILLIAM M. HOYT, at about $250,000, for six-story printing plant at 22d and Grove St., for Henneberry Co.

Ill., Springfield—Contract awarded to BUCKBEE & CO., at about $25,000 for reinforced-concrete factory for Havana Metal Wheel Co.

Iowa, Independence—Contract awarded to T. STORK, Cedar Rapids, at $15,842, by State Board of Control for one-story brick laundry.

Neb., Lincoln—Contract awarded to W. J. ASSENMACHER, 2205 Worthington Ave., at $12,000, for three-story addition to warehouse for Star Van and Storage Co., Eighth and R St.

Mo., Kansas City—Contract awarded to JAMES STEWART & CO., New York, N. Y., at about $50,000, for reinforced-concrete superstructure of additional bins for Chicago, Milwaukee & St. Paul Ry. Co. elevator.

Mo., Kansas City—Contract awarded to GEORGE H. SIEDHOFF CONSTRUCTION CO., Finance Bldg., at $48,000, by Standard Oil Co. for garage and for remodeling warehouse.

Tex., Houston—Contract awarded to CENTRAL CONSTRUCTION CO., at $10,000, for rebuilding plant for Fidelity Cotton Oil Co.

Okla., Enid—Contract for brick warehouse for Alton Mercantile Co. awarded to WELLER & REARDON at $10,800.

Okla., Oklahoma—Contract awarded to HODGINS CONSTRUCTION CO., St. Paul, Minn., at about $500,000 for four-story, 140x275-ft., assembling plant on Main St., for Ford Motor Co. Noted Aug. 19.

Ont., Windsor—Contract awarded to WELLS & GRAY, at about $10,000, for 42x111-ft. addition to factory for Kelsey Wheel Co.

FEDERAL GOVERNMENT WORK

Proposed Work

Steamer—Newport, R. I.—Bids will be received at U. S. Engineer Office, Newport, until noon, Nov. 3, for purchase of steamer "Cora." (See Adv.)

Street Lighting System—Ft. Terry, N. Y.—Bids will be received by Constructing Quartermaster, Fort H. G. Wright, for underground street lighting system, including 11 lamps at Ft. Terry. (See Adv.)

Wharf—Ft. Totten, N. Y.—Bids will be received at office of Quartermaster, until 10 a.m., Oct. 8, for repairs to short wharf at Ft. Totten.

Buoy Bodies—New York, N. Y.—(Borough of Richmond)—Bids will be received at office of Light House Inspector, Tompkinsville, N. Y., until 2 p.m., Oct. 11, for 10 acetylene buoy bodies, type S.

Post Office—Salamanca, N. Y.—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Nov. 12, for U. S. post office at Salamanca.

Shelving—Bedford, Penn.—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for shelving in U. S. public building at Bedford.

Interceptor—Washington, D. C.—Bids will be received until 2 p.m., Oct. 12, at office of Commissioners of District of Columbia, Room 509, District Building, for Section 5, Anacostia Main Interceptor, District of Columbia. (See Adv.)

Paving—Washington, D. C.—Bids will be received by Secretary, Bd. of Comrs., Room 509, District Bldg., Washington, D. C., until 2 p.m., Oct. 19, for paving streets. (See Adv.)

Sale of Distilling Plant—Ft. Caswell, N. C.—Bids will be received by Constructing Quartermaster, Ft. Caswell, until Oct. 25, for sale of material for pure water distilling plant. (See Adv.)

Post Office—Sidney, Ohio—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Nov. 8, for post office at Sidney.

Post Office—Van Wert, Ohio—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Nov. 10, for post office at Van Wert.

Pipe Line Extension—Carlsbad, N. M.—Bids will be received until Oct. 8 by U. S. Reclamation Service, Carlsbad, for Dark Cañon pipe line extension of the Carlsbad project, about two miles south of Carlsbad.

Shelving—Brigham City, Utah—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until Oct. 9, for shelving in U. S. public building at Brigham City.

Shelving—Berkeley, Calif.—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for shelving in U. S. public building at Berkeley.

Shelving—Grass Valley, Calif.—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for shelving in U. S. public building at Grass Valley.

Shelving—Pasadena, Calif.—Bids will be received by James A. Wetmore, Superv. Arch., Treasury Dept., Washington, D. C., until Oct. 12, for shelving in U. S. public building, Pasadena.

Bids In and Contracts Awarded

Dredging—New London, Conn.—The only bid received by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for dredging at Naval Station, New London, was that of Scott Bros., New London, at 39c. per cu.yd. Noted Sept. 30.

Post Office—Harrisburg, Penn.—Bids were received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for making extensions and remodelling the post office at Harrisburg as follows: H. L. Brown Co., Mt. Vernon, N. Y., $127,900; Conners Bros., New York, N. Y., $133,000; Newport Contracting & Engineering Co., Newport News, Va., $128,917.

Post Office—Smyrna, Del.—Bids were received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for post office at Smyrna as follows: E. T. Abbott Construction Co., $26,800; King Lumber Co., Charlottesville, Va., $24,500 (low bidder); Olin Gerlach, Frostburg, Md., $24,974. Noted Aug. 26.

Dredging — Wilmington, Del. — Contract for dredging Murderkill and Mispillion Rivers, Delaware, awarded to RIVER AND HARBOR IMPROVEMENT CO., Philadelphia, Penn., at $5,048.

Dredging—Baltimore, Md.—Contract for dredging in rivers and harbors on east shore of Chesapeake Bay awarded to MARYLAND DREDGING CO., Baltimore. Noted Aug. 19 and Sept. 23.

Retaining Wall—Washington, D. C.—Contract for retaining wall on west side of Meridian Hill Park awarded to BOYLE-ROBERTSON CONSTRUCTION CO., Washington, D. C., at $21,522. Noted Sept. 2.

Vessel—Washington, D.C.—Contract awarded to MANITOWOC SHIPBUILDING AND DRY DOCK CO., Manitowoc, Wis., at $189,000, by U. S. Coast and Geodetic Survey, for vessel. Noted Sept. 2.

Dredging—Norfolk, Va.—Bids were received by U. S. Engineer, Norfolk, for dredging and rock excavation in James River as follows: (a) 15,000 cu.yd. dredging, (b) 2,800 cu.yd. hard rock excavation, (c) total: Norfolk Dredging Co., (a) 70c., (b) $11.50, (c) $42,700; Maryland Dredging Co., (a) 57c., (b) $9.30, (c) $34,590; P. Sandford Ross, Inc., (a) 69c., (b) $10.28, (c) $39,134. Noted Sept. 16.

Cell Fronts, Locking Devices—Atlanta, Ga.—MESKER BROS. IRON CO., St. Louis, Mo., at $17,125, awarded contract for steel cell fronts and mechanical locking device at U. S. Penitentiary, Atlanta. Noted Sept. 23.

Post Office—Live Oak, Fla.—Contract for United States post office at Live Oak awarded to W. H. FISSELL CO., New York, N. Y., at $47,500.

Post Office—New Albany, Ind.—Contract for making extensions and remodeling post office at New Albany awarded to R. P. FARNSWORTH & CO., Owensboro, Ky., at $67,675.

Earthwork—Ft. Laramie, Wyo.—Contracts awarded for earthwork on about 10 miles of main canal at Ft. Laramie unit as follows: Schedules 1 and 2 involving 750,300 cu.yd. excavation and 79,000 cu.yd. of overhaul, WINSTON BROS., Minneapolis, Minn., at $121,347; Schedules 3 and 4 involving 539,700 cu.yd. of excavation and 35,000 cu.yd. overhaul, FRED N. CRANE CO., at $77,960. Noted Aug. 12.

Structures—Malta, Mont.—Contracts awarded for structures, Nelson Reservoir, South Canal, Milk River Project as follows: Schedules 1 and 2 involving 296,100 cu.yd. material and 25,000cu.yd. overhaul, WINSTON BROS., MINNEAPOLIS, Minn., at $41,930; Schedule 3 involving 60,550 cu.yd. of excavation and 5,000 cu.yd. of overhaul, SNELSON BROS., Galscow, at $7,490. Noted Aug. 26.

Post Office—Tulsa, Okla.—Bids were received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for post office at Tulsa as follows: (a) marble, (b) limestone, (c) sandstone: Sound Construction & Engineering Co., Seattle, Wash., (a) $258,995, (b) $213,719; R. E. Campbell, Salt

Lake City, Utah, (a) $258,820, (b) $212,820; W. H. Fissell & Co., New York, N. Y., (a) $238,800, (b) $196,300, (c) $209,300. Noted Aug. 12.

Buildings—Bremerton, Wash.—Contract for one steel shell house and two brick magazines at Puget Sound Navy Yard awarded to CARNEGIE STEEL CO., Philadelphia, Penn., at $35,974. Noted Aug. 12 and Sept. 23.

Light Station—Navassa Island, West Indies—Bids were received by Bureau of Lighthouses, Dept. of Commerce, Washington, D. C., for light house on Navassa Island as follow: (a) metal work, (b) construction, exclusive of metal work: Champion Iron Works, Canton, Ohio, (a) $12,078; T. J. Carlin Construction Co., New York, N. Y., (a) $25,000, (b) $155,000; Ellicott Machine Works, Baltimore, Md., (a) $13,892. Noted Aug. 5.

CANALS—DITCHES—IRRIGATION

Proposed Work

Drainage—Chautauqua, N. Y.—W. W. Warsaw, Drainage Engr., of New York State College of Agriculture, Ithaca, preparing plans for drainage system for Chautauqua County.

Drainage—Savannah, Ga.—Election will be held Oct. 12 to vote $400,000 bonds for drainage.

Ditches—Arcadia, Fla.—Bids will be received until Oct. 11 by Arcadia Drainage District for 12 miles of open ditches. Estimated cost, $24,000. Cravens & Kimmel, Arcadia, Engr.

Drainage—Lake Worth, Fla.—Surveys being made for drainage system for Lake Worth drainage district. Orrin Randolph, Ch. Engr.

Ditch—Fremont, Ohio—County Engineer authorized to prepare plans and estimates for improving Pickerel Creek ditch. Estimated cost, $16,000.

Ditch—Muncie, Ind.—F. Horace Weber, County Surveyor, will prepare plans for Stewart Ditch, about 6,000 ft. of 16-in. and 18-in. tile and the Larue ditch, about 11,000 ft. of 20- and 24-in. shale tile.

Ditch—Winamac, Ind.—Bids will be received until Oct. 16 by C. E. Paul, Const. Comr. for Selmer Ditch, about 16,400 ft.

Drainage—Council Bluffs, Iowa—Petition presented to Board of Supervisors for drainage district along Silver Creek.

Drainage—Ft. Dodge, Iowa—County Supervisors considering establishment of Drainage District No. 201. J. L. Hanrahan, County Audr.

Drainage—Iowa City, Iowa—Board of Supervisors of Johnson County decided to form new drainage district to reclaim part of approximately 4,000 acres of Johnson County, Oxford Township.

Ditch—Blue Earth, Minn.—Bids will be received until 11 a.m., Oct. 22, by Jesse L. Herring, County Audr., Faribault County, for Judicial Ditch No. 10.

Ditch—Breckenridge, Minn.—Bids will be received by B. E. Truax, County Audr., until Oct. 20, for County Ditch No. 20, Wilkin County.

Ditch—Mankato, Minn.—Bids will be received until 2 p.m., Oct. 19, by C. L. Kennedy, County Audr., for Ditch No. 39, Blue Earth County.

Ditch—Montevideo, Minn.—Bids will be received until 2 p.m., Oct. 11, by J. J. Stennes, County Audr., for County Ditch No. 17, Chippewa County.

Ditch—Roseau, Minn.—(Official)—Bids will be received until Oct. 20 by County Auditor, Roseau County, for excavating Judicial Ditch No. 62.

Ditches—Fargo, N. D.—According to press reports two ditches will be constructed through a portion of Kenyon and Noble Township to Red River.

Irrigation—Glendive, Mont.—Plans prepared for Fallon Flat irrigation project by F. A. Hanford, City Engr.

Drainage—Waxahachie, Tex.—Commissioners Court of Ellis County authorized bond issue of $121,000 for drainage and levee system in District No. 2. Noted Aug. 26.

Irrigation—Carey, Idaho—Elmer H. Caldwell, Engr., Salt Lake City, Utah, preparing plans for reservoir and irrigation system for Little Wood River.

Irrigation—Newberry, Wash.—A movement is on foot to organize an irrigation district to irrigate 500,000 acres. R. W. Carter and John W. Sumner interested.

Drainage—Woodburn, Ore.—Preliminary surveys being made for about 75 sq.mi. of land between West Woodburn and Brooks. If report is favorable drainage district will be established.

Irrigation—Porterville, Calif.—Board of Supervisors has approved the plans for formation of Strathmore-Lindsay irrigation district for the purpose of irrigating 20,000 acres. Estimated cost, $2,000,000.

Bids In and Contracts Awarded

Barge Canal Work—Albany, N. Y.—(Official)—Bids were received by W. W. Witherspoon, State Supt., Pub. Wks., for barge canal work under Terminal Contract No. 47 as follows: I. M. Ludington Sons, Inc., Rochester, $38,630; Public Source Contracting Co., Niagara Falls, $39,466; F. J. Mumm Contracting Co., Inc., Buffalo, $40,120. Noted Sept. 9.

Ditch—Holcomb, N. Y.—Contract for drainage ditch in swamp of muck land east of Holcomb awarded to ANTHONY C. SARTORE, Canadaigua.

Ditch—Humboldt, Iowa—Contract for Ditch No. 77 awarded to E. E. EDWARDS, at $35,000.

Ditch—Worthington, Minn.—(Official)—Contracts for Ditch No. 12 (a) open work; (b) tile work, awarded as follows: (a) JAMES McKILLIP at 8⅝c. per cu.yd.; (b) P. L. RIVARD at $12,700. W. H. Saxon, Engr. Noted Sept. 16.

Irrigation—Belle Fourche, S. D.—CURTIS BROS., Columbus, Neb., at $8,771, awarded contract for earth work on North Canal extension and laterals, Belle Fourche Irrigation project.

Drainage—Marion, Ark.—Contract for about 1,600,000 cu.yd. of excavation to drain about 28,000 acres near St. Francis levee awarded to OTTO KOCHITITTZKY, Cape Girardeau, Mo.

Irrigation—Oakdale, Calif.—Contract for steel p[illegible] for Oakdale Irrigation system awarded to WESTERN PI[illegible] AND STEEL CO., at $11,000. Noted Sept. 16.

MISCELLANEOUS

Proposed Work

Steel Furniture—Albany, N. Y.—Bids will be rece[illegible] by Trustees of Public Buildings, Executive Chamber, Capitol, Albany, until 2 p.m., Oct. 12, for steel furniture. (See Adv.)

Retaining Wall—Pittsburgh, Penn.—Bids will be received by Hyatt M. Cribbs, County Controller, until Oct. [illegible] for concrete retaining wall along Scotia Hollow Rd.

Piers—Baltimore, Md.—According to press reports a movement is being agitated by Mayor Preston, Harbor Board and Way Department for developing water front between Ft. McHenry and Ferry Bay. Work will include construction of eight piers.

Elimination of Grade Crossings—Cleveland, Ohia—Election will be held Nov. 2 to vote $1,600,000 bonds for elimination of grade crossings.

Park Bonds—Massillon, Ohio—Bonds for $25,000 sold for parks.

Flood-Protection Wall—Portsmouth, Ohio—Bids for second section of Portsmouth "Flood-Protection Wall" will be opened the week of Nov. 1 to 6. (See Adv.)

Coaling Station—Chicago, Ill.—Baltimore & Ohio Chicago Terminal R.R. Co. will build coaling station at 1450 South Lincoln St. Estimtaed cost, $25,000.

Harbor Improvements—Milwaukee, Wis.—(Official)—Harbor Commission decided to postpone harbor improvements until next year. Noted Sept. 23.

Wharves, Docks, Etc.—Orange, Tex.—Contract will soon be awarded for wharves, docks, etc. Estimated cost, $150,000. Noted Sept. 30.

Dam—Idaho Falls, Idaho—Plans prepared for improving city dam and bids will soon be asked. Estimated cost, $20,000.

Subway—Seattle, Wash.—Construction of Morman St. tunnel and Lenora St. subway contemplated. A. Chittenden, Seattle, interested.

Flood Protection—Los Angeles, Calif.—According to press reports election will soon be held to vote $6,000,000 bonds for inaugurating works of conservation, flood control and harbor protection.

Grand Stand and Race Track—San Francisco, Calif.—Press reports state that company is being organized to construct grand stand and race track at Tijuana, lower California. Estimated cost, $650,000. A. B. Spreckles interested.

Esplanade—San Francisco, Calif.—Plans for first section of esplanade near Cliff House approved by Board of Public Works. Noted Aug. 26.

Jetty—San Luis Obispo, Calif.—Bids will be received by Board of Supervisors until Oct. 11 for pile jetty along north side of Santa Maria River.

Mausoleum—Whittier, Calif—Pacific Mausoleum Co. plans to build mausoleum at Whittier.

Bulkhead—Vancouver, B. C.—Harbor Commissioners plan bulkhead at False Creek District to reclaim 40 acres of mud flats under Granville Bridge. Estimated cost, $40,000.

Bids In and Contracts Awarded

Dry Dock—Boston, Mass.—Contract for dry dock awarded to HOLBROOK, CABOT & ROLLINS, New York, N. Y. Estimated cost, $3,000,000. Noted Sept. 23.

Dredging—Boston, Mass.—Bids were received by Directors of Port of Boston for dredging 35,000 cu.yd. in Neponset River as follows: J. P. O'Riorden, Charleston, 13⅜c. per cu.yd.; Eastern Dredging Co., East Boston, 20¼c. per cu.yd.; J. S. Packard Dredging Co., Providence, R. I., 23⅞c. per cu.yd.

Pier Extension—New York, N. Y.—(Borough of Brooklyn)—(Official)—Riverside Contracting Co., at $22,366, submitted lowest bid for extending Pier 22, near Jay St., North River. Noted Sept. 23.

Freight Shed—New York, N. Y.—(Borough of Brooklyn)—(Official)—Post & McCord, 101 Park Ave., New York, N. Y. (Borough of Manhattan), at $279,845, submitted lowest bid for freight shed on pier at 35th St. under Contract No. 1473. Noted Sept. 23.

Drain—Newark, N. J.—Board of Freeholders awarded contract for drain in Valley Road to CESTARE CONSTRUCTION CO., at $15,000.

Levee—Alexandria, La.—Contract for levee from White Pl. to Wilson Point, on Red River, awarded to DAMERON-WHITE CO., at about $21,000.

Levee—Glenwood, Iowa—Contract for repair of Pond Creek levee awarded to FRED M. CRANE CO., Omaha, Neb.

Flood Protection—Kansas City, Mo.—(Official)—Contract for flood protection work on Turkey Creek awarded to GEORGE SIEDHOFF CO. Noted Sept. 23.

Pier Shed—San Francisco, Calif.—State Board of Harbor Commissioners awarded contract for shed on Pier No. 35 to HEALY-TIBBITTS CONSTRUCTION CO., at $74,722.

By-Pass—San José, Calif.—Contract for Cancos ByPass awarded to M. KILCOURSE, at $10,230.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous."

Proposed Work

Maine, New Gloucester—New bids being received by state for kitchen and laundry for State School for Feeble-Minded. Estimated cost, $50,000.

Mass., Boston—Bids will be received until 3 p.m., Oct. 14, by city for pavilion on Charles St. for Massachusetts General Hospital. Coolidge & Shattuck, 122 Ames Bldg., Boston, Arch.

Mass., Dorchester—Bids being received by J. Cusher, 544 Beach St., Revere, for one-story, 60x150-ft., store and apartment building. Estimated cost, $60,000.

Mass., Fall River—J. Darling, Arch., preparing plans for remodeling Bay St. Jail for city. Estimated cost, $75,000.

Mass., Hyde Park—Bids will soon be received, according to press reports, for addition to high school. Charles R. Greco, 8 Beacon St., Boston, Arch. Estimated cost, $75,000.

Mass., Jamaica Plain—According to press reports bids being received for four-story and basement, 50x60-ft., brick store and apartment for Y. Kayajiaan, care of H. S. Memoorjian, 340 Main St., Worcester. Estimated cost, $50,000.

Mass., Malden—Bids will be received until 9 a.m., Oct. 9, for tuberculosis hospital for city. Stebbins & Watkins, 164 Federal St., Boston, Arch.

Mass., New Bedford—Protective Order of Elks will build seven-story building as headquarters.

Mass., Salem—John M. Gray, care of James McGinniss, 16 Arlington St., Boston, preparing plans for nine-room brick school addition for city of Salem. Estimated cost, $75,000.

Mass., Waltham—Bids will soon be received for one-story, 62x184-ft., brick and terra cotta church for St. Charles Church. James F. Monaghan, 98 Luke St., Waltham, Arch. Estimated cost, $80,000.

R. I., Providence—Bids will be received about Oct. 11 for school on Cole Ave. Stone, Carpenter & Sheldon, Providence, Arch. Estimated cost, $200,000.

N. Y., Buffalo—Harlow C. Curtiss will build two-story commercial and office building at 292 Delaware Ave. Estimated cost, $60,000.

N. Y., Buffalo—Bank of Buffalo will build four-story bank and office building at Main and North Division St. E. C. McDougal, Pres.

N. Y., East Aurora—(Official)—As soon as plans are prepared election will be held to vote on question of building high school. Harris Merritt, Buffalo, Arch. Harry G. Henshaw, Secy. Noted Sept. 23.

N. Y., New York—See item under "Water-Works."

N. Y., Rochester—Masonic Lodge will build temple on Seneca St. at estimated cost of $50,000.

N. Y., Rochester—Plans prepared by Maurer & Mills, Arch., Schofield Bldg., Cleveland, Ohio, for one-story and basement church. Estimated cost, $60,000.

N. Y., Utica—Edward J. Berg, Arch., preparing plans for three-story school for St. Patrick's Church. Estimated cost, $50,000.

N. Y., Watertown—Frank W. Woolworth, New York, plans 10-story office building at Arsenal St. and Public Sq.

N. Y., Yonkers—Plans prepared by Beersman & Vollmer & Evarts Tracy, 244 Fifth Ave., New York, for four-story masonic temple at Guion St. and South Broadway for Masonic Guild, F. & A. M. Bids will soon be received. Estimated cost, $70,000.

N. J., Bayonne—(Official)—We have been advised that Board of Education is not yet ready for bids for public school No. 4. W. J. Fowley, Secy. Noted Sept. 23.

N. J., Bayonne—Board of Education plans addition to School No. 3. Estimated cost, $75,000.

N. J., Hoboken—Board of Education plans vacation school. William A. Kerr, Secy. Bd.

N. J., Montclair—Starrett & Van Vleck, New York, prepared plans for remodeling old high school. Estimated cost, $50,000.

N. J., Newton—Board of Education considering new high school.

N. J., Perth Amboy—J. N. Pierson & Son, 110 Smith St., preparing plans for two-story office building at Madison and Smith St. for Pratt-Brown Co. Estimated cost, $40,000.

N. J., Trenton—George S. Drew, State Arch., prepared plans for three-story concrete addition to State House of Detention. Estimated cost, $50,000.

N. J., Trenton—(Official)—Bids will be received until noon, Oct. 19, by Alfred Gaskill, Dir. Dept. of Conservation and Development, for building, plumbing and heating and electrical work for laboratory for Department of Conservation and Development. Noted Sept. 30. (See adv.)

N. J., Vineland—Plans prepared by George S. Drew, State Arch., Trenton, for dining and service building for State Home for Feebleminded Women. Estimated cost, $50,000.

N. J., Wildwood—All bids received for two-story and basement school rejected by Board of Education. New bids will be received. Noted Sept. 2.

Penn., Bethlehem—Lodge No. 283, Free and Accepted Masons, will build temple on East Broad St. Estimated cost, $60,000.

Penn., Duquesne—Pennsylvania R.R. Co. will make improvements to its freight terminal. Estimated cost, $250,000. Alex D. Shand, Philadelphia, Ch. Engr.

Penn., Johnstown—Knights of Pythias contemplate lodge building. Estimated cost, $50,000. H. M. Rogers, Johnstown Trust Bldg., Arch.

Penn., Johnstown—Justin-Bergman Co. will build three-story building. Estimated cost, $50,000.

Penn., Lebanon—Bids will soon be received for two-story, 200x200-ft. brick and stone high school. A. Richter, Reading, Arch. Estimated cost, $175,000.

Penn., Logan—Neff & Thomas, Arch., Philadelphia, preparing plans for building for Methodist Episcopal Congregation. Estimated cost, $50,000.

Penn., Philadelphia—Plans being prepared by J. H. Cook, Arch., for three-story addition to school. Estimated cost, $60,000.

Penn., Philadelphia—Neff & Thomas, Arch., preparing plans for one-story stone church for Methodist Episcopal Church at Logan. Estimated cost, $50,000.

Penn., Pittsburgh—Pittsburgh & Lake Erie R.R. Co. will build office and freight warehouse at Smithfield and Carson St.

Penn., Scranton—A. J. and P. J. Casey, Hotel Casey, have plans for brick and steel addition to their hotel, and will soon receive bids. McKenzie, Voorhees & Grenlin, 1123 Broadway, New York, N. Y., Arch.

Penn., Wilkes-Barre—William Stoddard Co. will build three-story building on South Main St. Estimated cost, $50,000.

Penn., Zellenople—Church will be built by Pittsburgh Synod of Evangelical Lutheran Church at its Old People's Home. Estimated cost, $50,000.

Del., Wilmington—According to press reports new free library building will be constructed. Estimated cost, $300,000.

Md., Baltimore—Plans being prepared by Baldwin & Pennington, Arch., for church on Smith Ave. near First St., Mt. Washington, for Sacred Heart Congregation. Estimated cost, $40,000.

Va., Suffolk—Citizens voted $70,000 bonds for police station.

W. Va., Wheeling—Charles W. Bates, Board of Trade Bldg., preparing plans for three-story and basement, 33x80-ft. bank and office building for Farmers & Merchants' National Bank. R. L. Bowman, interested.

W. Va., Wheeling—F. F. Farris, Schmulbach Bldg., preparing plans for two-story and basement school. Estimated cost, $100,000.

N. C., Wilkesboro—A company of which H. H. Rogers is Secy. contemplates hotel at Ninth and B St. Estimated cost, $40,000.

Ga., Savannah—Bonds for $525,000 voted by citizens for public schools.

La., New Orleans—City contemplates six-story office building for Sewage and Water Board. George G. Earl, Supt.

La., New Orleans—Bids will soon be received for club house for Surf Club at Spanish Fort., New Orleans. Estimated cost, $75,000. W. J. Deghers, Deputy City Surveyor, is Dir.

Tenn., Nashville—Board of Education plans to build Elliott School and Pearl School. Estimated cost, $71,800 and $65,200 respectively.

Ky., Dawson Springs—Brinton B. Davis, Inter-Southern Bldg., Louisville, plans hotel at Dawson Springs. Estimated cost, $75,000.

Ky., Louisville—State Department of Agriculture, Frankfort, plans exhibit building at state fair grounds, Louisville. Estimated cost, $150,000.

Ohio, Akron—Philip Robinson, Akron, preparing plans for three-story office building at 980 East Market St. for Howard Realty Co. Estimated cost, $40,000.

Ohio, Canton—Plans prepared by W. S. Epperson, Arch., for three-story, 100x125-ft. graded school. Estimated cost, $60,000.

Ohio, Canton—Plans prepared by W. S. Epperson, Arch., for two-story, 70x125-ft. concrete and brick church for Martin Luther Church. Estimated cost, $40,000.

Ohio, Cincinnati—Plans prepared by John T. Comes, Arch., Pittsburgh, Penn., for church for St. Mary's R. C. Church at Erie Ave. and Shady Lane. Estimated cost, $60,000.

Ohio, Cincinnati—Bids will soon be received for Y. M. C. A. building at Elm and Canal St. Elzner & Anderson, Arch. Estimated cost, $380,000. Noted Sept. 2.

Ohio, Cincinnati—G. W. Drach, Cincinnati, prepared plans for addition to Betheada Hospital. Estimated cost, $40,000.

Ohio, Cleveland—Walter R. McCormack, Bd. of Education, preparing plans for administration building at East Sixth St. and St. Clair Ave. for city. F. G. Hogan, Dir. of Schools. Estimated cost, $1,250,000.

Ohio, Cleveland—Citizens will vote Nov. 2 on $1,000,000 bond issue for schools and improvements to schools.

Ohio, Cleveland—Cleveland Lithuanian Catholics plan clubhouse on East 67th St. and Edna Ave., N. E. Estimated cost, $100,000.

Ohio, Cleveland—Plans prepared by George F. Hammond, Arch., for ten-story addition to Gillsy Hotel. Estimated cost, $150,000.

Ohio, Cleveland—Plans prepared by J. Milton Dyer, Arch., 825 Cuyahoga Bldg., for hotel for John W. Schuster, 1833 East 12th St. Estimated cost, $250,000.

Ohio, Cleveland—Plans being prepared by Knox & Elliott, Arch., for coliseum for J. A. Wigmore & Co., 1330 Williamson Bldg. Estimated cost, $150,000.

Ohio, Cleveland—Rev'sed plans being prepared by O. K. Stapf, Rose Bldg., Cleveland, for three-story addition to Chamber of Industry Building at Franklin and West 25th St. Estimated cost, $40,000. Noted Aug. 26.

Ohio, Dayton—Bids will be asked in about thirty days by Albert Pretzinger and Edward P. Mussleman, Arch., 1155 Reibold Bldg., for building for B. P. O. E., Lodge No. 56. Estimated cost, $75,000.

Ohio, Toledo—Plans being prepared by H. L. Ottenheimer, Arch., 105 West Monroe St., Chicago, for temple at Scottwood and Acklin Ave. Estimated cost, $75,000.

Ohio, Washington C. H.—Baltimore & Ohio Southwestern R.R. is having plans prepared for new station. F. L. Stuart, Baltimore, Md., Ch. Engr.

Ohio, Woodsfield—Citizens, according to press reports, will build school. Estimated cost, $50,000.

Ohio, Youngstown—Salvation Army contemplates industrial relief building. Estimated cost, $40,000.

Ind., Aurora—Baltimore & Ohio Southwestern R.R. is having plans prepared for station at Aurora. F. L. Stuart, Baltimore, Md., Ch. Engr.

Ind., Logansport—David Maurice, J. Balf and others, Lafayette, will build five-story hotel at Third St. and Broadway. Estimated cost, $100,000.

Ind., Owensville—Bids will be received about Nov. 1 by Jacob W. Mauck, Township Trustee, for two-story and basement, 105x175-ft. school. Estimated cost, $65,000. J. W. Gaddis, Vincennes, Arch.

Ind., Richmond—Citizens plan school at estimated cost of $80,000.

Ind., Terre Haute—Board of School Trustees will have plans prepared for school at 25th St. and Fourth Ave. and for school on Kafader site. Estimated cost, $200,000.

Ind., Terre Haute—(Official)—Bids will be received until 3 p.m., Oct. 15, by A. H. Hubbard, care of William K. Hamilton, Terre Haute, for masonic temple. Estimated cost, $90,000. Noted Sept. 23.

Mich., Detroit—Louis Kamper, Detroit, preparing plans for ten-story building at 35 Washington Bldg. for J. B. Book, Jr., Detroit.

Mich., Detroit—(Official)—Bids will be received until 4:15 p.m., Oct. 12, by Charles A. Gadd, Secy., Bd. of Education, for 20-room school on Central and Honorah Ave.

Ill., Chicago—First Baptist Church, 38th St. and South Park Ave., and Immanuel Baptist Church will build church on site of present Immanuel church. Estimated cost, $500,000.

Ill., Chicago—Bids will be received about Oct. 10 for five-story, 400x800-ft., brick and stone building for Pennsylvania R.R. Co. Price & McLanahan, Philadelphia, Penn., Arch.

Ill., Chicago—State Street Theater Co. will build theater on State St. between Jackson Blvd. and Van Buren St. Estimated cost, $600,000.

Ill., Chicago—Methodist Book Co., 1020 South Wabash Ave., will build four-story office building at 730 Rush St. Whitelock A. Shank, Arch. Estimated cost, $200,000.

Ill., Chicago—Auburn Park Masonic Temple Association will build four-story and basement store and lodge. Estimated cost, $100,000.

Ill., Forreston—Winnebago County Board of Supervisors voted $190,000 bonds for improvements and addition to court house. A four-story addition will be built.

Ill., Monmouth—(Official)—Bids will be received until Oct. 20 by W. W. Brent, City Clk., for city hall. Temple & Burrows, Davenport, Iowa, Arch. Noted Aug. 26.

Ill., Rock Island—Bids will be received about Oct. 8 by Board of Education for three-story, 82x130-ft. school at Ninth St. and 12th Ave. Olof Z. Cervin, Arch. Noted July 29.

Ill., Sterling—County Supervisors of Winnebago County authorized addition to Rockford court house at estimated cost of $200,000.

Wis., Fayeheedah—State Control Board plans to build reformatory for women. Estimated cost, $175,000.

Wis., Milwaukee—Board of Education will build two-story brick school. Estimated cost, $78,000.

Wis., Superior—Plans being prepared by Van Ryn & De Gelleke, Milwaukee, for three-story and basement training school for State Board of Normal Regents. Estimated cost, $80,000.

Iowa, Mason City—A. L. Rule contemplates seven-story business building. Estimated cost, $200,000.

Iowa, Nevada—Citizens voted $90,000 bonds for new school and for remodeling high school.

Iowa, Rock Rapids—Bids will be received until 9 a.m., Oct. 18, by E. J. Riegel, County Audr., for three-story and basement court house. Joseph Schwartz, Sioux Falls, S. D., Arch.

Iowa, Waterloo—Sacred Heart Church Congregation contemplates parochial school. Estimated cost, $50,000.

Kan., Wellington—Construction of $50,000 Y. M. C. A. building contemplated. G. A. Holliday, Secy.

Kan., Wichita—Board of Education contemplates school Estimated cost, $100,000.

Neb., Clearwater—Bids will be received until noon, Oct. 12, by F. F. Hansen, Secy. School Bd., for high school. R. A. Bradley & Co., Hasting, Arch.

Neb., Hastings—Bids will be received about Oct. 15 by C. W. Way Co., Arch., Hastings, for four-story, 44x120-ft. moving picture theater and office building for William Brach.

S. D., Brookings—Bids will be received until 10 a.m., Oct. 19, by State Board of Regents, State College, for four-story brick dormitory for State College. Joseph Schwarz, Sioux Falls, Arch.

Mont., Butte—Bids will soon be received by Max Daniels, Butte, for motion picture theater for W. H. Swanson, Salt Lake City, Utah. Estimated cost, $200,000.

Mo., Kansas City—Plans prepared by Smith, Rea & Lovitt, Finance Bldg., Kansas City, for one-story and basement, 49½x113½ ft., reinforced-concrete building at 14th and Main St. for Crow-Van Evera Realty Co.

Mo., St. Joseph—Bids will soon be received for Junior high school at Fourth and Highland Ave. R. Meyer, Lincoln Bldg., Arch. Estimated cost, $125,000.

Mo., St. Joseph—Bids will be received until Oct. 28 for three-story, 60x120-ft. office building at Seventh and Francis St. for W. F. Kirkpatrick, 721 Felix St. Walter Boschen, Tootle-Lemon Bank Bldg., Arch. Estimated cost, $50,000.

Mo., St. Louis—City plans election to vote on $450,000 for industrial school and tuberculosis hospital.

Mo., St. Louis—Columbia Novelty Co. secured site at 12th and Clinton St. and will build motion-picture theater.

Ark., Pine Bluff—Frank Blaisdell, Little Rock, preparing plans for Catholic Church. Estimated cost, $50,000.

Tex., Corsicanna—Contract awarded to J. C. JOPLIN & BRO., Beatty Bldg., Houston, at $70,658, for dining hall for State Orphans' Home. Noted Sept. 23.

Tex., Dallas—Edgar Zielian, Dallas, preparing plans for apartment hotel. Estimated cost, $500,000.

Tex., El Paso—Plans being prepared by Gibson & Hertson, Arch., for building for Mt. Franklin Country Club near El Paso. Estimated cost, $40,000.

Tex., El Paso—Plans being prepared by Trost & Trost, El Paso, for nine-story, 30x140-ft. reinforced-concrete hotel for Z. T. White. Bids will be received about Jan. 1. Estimated cost, $150,000.

Tex., Lubbock—(Official)—Citizens voted in favor of $100,000 bonds for court house. E. R. Haynes, County Judge. Noted Sept. 9.

Tex., Marlin—Citizens voted in favor of $120,000 bonds for high school and sewer system.

Tex., Nacogdoches—Bids will be received until Oct. 12 by F. H. Tucker, Pres., Bd. of Education, for high school and addition to ward school. Estimated cost, $45,000. Noted Sept. 9.

Tex., San Angelo—C. H. Powell and associates plan new hotel. Estimated cost, $200,000.

Okla., Norman—Bids will be received until Oct. 27 for four-story and basement, 60x120-ft. science hall for University of Oklahoma. J. W. Hawk and J. O. Parr, Oklahoma City, Archs. Estimated cost, $100,000. Noted Aug. 12.

Ariz., Flagstaff—Bids will soon be received for dormitory at Northern Arizona Normal School by Normal School Board. Estimated cost, $48,000.

Wash., Seattle—Plans being prepared by J. Kingsley, Arch., 1260 Empire Bldg., for addition to Seward School for Board of Education.

Wash., Seattle—Bids being received for two-story and basement settlement home for Council of Jewish Women, 18th Ave., S. and Main St. Marcus B. Pretica, Pantages Theater Bldg., Arch. Estimated cost, $50,000.

Wash., Seattle—Bids will be received until Oct. 27 by Board of Regents, University of Washington, for university building. Estimated cost, $150,000.

Ore., The Dalles—Masonic Lodge will rebuild temple which was recently destroyed by fire. Estimated cost, $100,000.

Calif., Los Angeles—J. Martin Haenke & Co., Van Nuys Bldg., preparing plans for additional buildings for Huntington School for Girls, Oneonta Park. Florence and Mary Housel, owners.

Calif., San Francisco—Cogswell Polytechnic College will rebuild its building at 26th and Folsom St. Estimated cost, $105,000.

Calif., Ventura—Bids will be received until noon, Oct. 18, by W. F. McClure, State Engr., Sacramento, for two cottages and detention building at California School for Girls.

Ont., Scarborough—Scarborough Township will build school. Estimated cost, $40,000.

Ont., Toronto—Board of Education plans school on Bledhill Ave. Estimated cost, $55,395.

Ont., Toronto—Canadian Pacific Ry. Co. will build station at North Toronto. Estimated cost, $125,000. J. T. Arundel, Toronto, Supt.

Ont., Toronto—Standard Oil Co., represented in Canada by Imperial Oil Co., will build eight-story office building at Church and Court St.

Ont., Toronto—Board of Education granted permit for school on Bartlett Ave. Estimated cost, $52,900.

Alta., Cardston—Citizens will build school. Estimated cost, $50,000. James W. Low, Treas.

Bids In and Contracts Awarded

N. H., Jaffrey—Contract awarded to McNALLY BUILDING CO., Gardner, Mass., at about $40,000, for high school.

N. H., Portsmouth—Contract reawarded to LORD & PERKINS, Berwick, Maine, at about $50,000, for 2½-story brick children's home for Chase Home for Children. Noted Sept. 16.

Mass., Brighton—Contract awarded to McGAHEY O'CONNOR, Main St., Cambridge, at about $200,000, for two-story and basement, 87x152-ft., brick school for St. Anthonys Church.

Mass., Dorchester—Contract awarded to JOSEPH M. DOLAN, 194 Sydney St., Cambridge, for parochial school for St. Georges Church.

Mass., Easthampton—Contract awarded to H. WALES LINES CO., Meriden, Conn., at about $175,000, for dormitory and service building for Williston Seminary.

Mass., Gardner—Contract awarded to JOSEPH GARNEAU BALDWINVILLE, Pembleton, at $150,000, for two-story and basement, 85x105-ft., brick store and office building for Robichaud & Mountain, Gardiner.

R. I., Providence—Contract awarded to O. D. PURINGTON & CO., 625 Industrial Trust Bldg., at about $80,000, for alterations to store for M. Misch, Misch Bldg., Providence.

R. I., Providence—(Official)—Contract awarded to NORCROSS BROS. CO., Worcester, Mass., for Central Baptist Church at Wayland and Lloyd Ave. Estimated cost, $150,000. Noted Sept. 23.

N. Y., Cortland—Contract awarded to MITCHELL REYNOLDS CO., Binghamton, at $10,000, by Cortland Carriage Goods Co.

N. Y., New York—(Borough of Brooklyn)—(Official)—Contract awarded to EDWIN OUTWATER, INC., 18 East 41st St., New York, at $150,000, for seven-story, 75x100-ft. storage building for Kirkman Sons Co.

N. J., Newark—Contract awarded to HEDDEN CONSTRUCTION CO., at about $60,000, for two-story office building at 773 Broad St. for Prudential Insurance Co.

Penn., Philadelphia—Contract awarded to ABEL BOTTOMS & SONS CO., 41 South 15th St., at $60,000, for three-story and basement, 32x65-ft. school at 30th and Gordon St. Noted Sept. 23.

Penn., Riverside—Contract awarded to L. H. PECHT & SONS at about $25,000 for two-story, 99x130-ft., brick factory for Carpenter Steel Co.

Md., Baltimore—Contract awarded to CONSOLIDATED ENGINEERING CO., 243 Calvert Bldg., Baltimore, for Hess Memorial Dispensary at Madison St. and Rutland Ave. for Hebrew Hospital. Estimated cost, $40,000.

Ohio, Akron—(Official)—Contract awarded to HUNKER-CONKEY CONSTRUCTION CO., Cleveland, at $175,000, for four-story, 125x145-ft. club house for Firestone Tire & Rubber Co. Noted Sept. 30.

Ohio, Cincinnati—Bids were received by Board of Education for new East Side High School from: Ferro Concrete Construction Co., Cincinnati, $452,519, and Ohio Building Co., $458,860. Noted July 29 and Sept. 16.

Ohio, Cleveland—Contract awarded to REAUGH CONSTRUCTION CO., 2835 East 51st St., Cleveland, at $45,000, for office and warehouse at East 79th St. and St. Clair Ave. for White Sewing Machine Co. Noted Sept. 16.

Ohio, Columbus—Contract awarded to AUGUST ROEHR, Bucyrus, at about $40,000, for two-story addition to Indianola Methodist Episcopal Church at 1887 Summit St.

Ohio, Dayton—Bids were received Sept. 16 by Board of Education for two-story addition to Steele High School as follows: J. Albert Berry, Dayton, $49,575; Structural Concrete Co., Dayton, $46,900, and Ernest Kroemer, Dayton, $44,743.

Ohio, Richwood—Contract awarded to FRANKLIN CONSTRUCTION CO., Columbus, at about $40,000, for school.

Ohio, Steubenville—(Official)—Contract awarded to JAMES A. COYNE, Steubenville, at $63,107, for school. Noted Sept. 2.

Mich., Grand Rapids—(Official)—Contract awarded to HOMER & KELLY, Grand Rapids, at $88,293, for armory for Grand Rapids Battalian. Noted Sept. 26.

Ill., Oblong—Contract awarded to N. S. INKERD, Bedford, Ind., at $46,409, for three-story and basement school by School Board.

Wis., Monroe—Contract awarded to WAGNER & BAUMANN, Monroe, at $53,835, for two-story, 75x115-ft. brick school.

Iowa, Des Moines—Board of Education awarded contract for new dental building to CHARLES FRANKLIN, Iowa City, at $130,800.

Iowa, Grundy Center—Contract awarded to STANDARD CONSTRUCTION CO., Minneapolis, Minn., at $61,000, for school. Noted Aug. 19.

Iowa, Waterloo—Contract awarded to M. BLITSCH for 137x150-ft. warehouse at Center St. and Fairview Ave. for Iowa Real Estate and Investment Co. Estimated cost, $30,000.

Minn., Maynard—Contract awarded to EMIL JOHNSON, Minneapolis, at about $40,000, for three-story school. Noted Sept. 16.

Mont., Glasgow—Contract awarded to G. W. Bell, at about $75,000, by Rundle Land & Loan Co. for three-story, 90x130-ft. brick and concrete business building on Second Ave.

Mo., Kansas City—Contract awarded to FOGEL CONSTRUCTION CO., 515 Reliance Bldg., for five-story reinforced-concrete building at 1600 Oak St. for Southwest News Co., 410 East Ninth St.

Okla., Tulsa—Contract awarded to CHRISTOPHER & SIMPSON, St. Louis, Mo., at about $250,000, for ten-story building at Fourth and Boston St. for S. Gallais.

Wash., Medical Lake—(Official)—Contract awarded to BOYAJOHN-ARNOLD CO., Panama Bldg., Portland, Ore., at $227,000, by State Board of Control for building for Feeble Minded. Noted Sept. 16.

Wash., Seattle—Contract awarded to A. W. QUIST, Hoge Bldg., at about $55,000, for four-story, 45x108-ft., business block for Puget Sount News Co. at Second and Virginia St. Noted July 29.

Wash., Vancouver—(Official)—Contract awarded to S. C. ERICKSON, Tacoma, at $58,654, by Board of Control, Olympia, for state school for blind. Noted Sept. 16.

Calif., Oroville—Contract for Hall of Records for Butte County awarded to WESTERN BUILDING & ENGINEERING CO., San Francisco, at $43,843

Calif., Sacramento—Contract awarded to W. E. KIER CONSTRUCTION CO., American National Bank Bldg., San Diego, at $34,999, for two patients cottages at State Engineering Department.

Ont., Toronto—Contract awarded to PETER LYLE CONSTRUCTION CO., Montreal, Que., for Union Station on Front St. Estimated cost, $3,000,000. M. Griffiths, Supt.

The Austin-Western Road Machinery Co., with general offices in the Karpen Bldg., Chicago, Ill., has opened an office at 314 Bulletin Bldg., Philadelphia, Penn. E. M. Terwilliger has been placed in charge.

The American Locomotive Co., 30 Church St., New York, N. Y., at the last meeting of the Board of Directors appointed J. O. Hobby, Jr., as Treasurer.

The General Waterproofing Co., of Pittsburgh, Penn., has been recently incorporated and has begun business with offices at 550 Century Bldg. The company will sell materials for use in waterproofing work and its contract department will execute work under contract or supervision on all classes of waterproofing construction in general building operations. H. E. Hollingsworth, formerly on the engineering staff of the Palisades Interstate Park Commission at New York City, is Vice-Pres. and Gen. Mgr. of the company.

The Pedrick Tool & Machine Co., 3640 North Lawrence St., Philadelphia, Penn., has recently purchased the business of the Sterling Machine Works, manufacturers of tool grinders, and will continue the businesss after a reorganization.

RECLAMATION PROJECTS FOR 1916

The funds apropriated by Congress for reclamation projects during the fiscal year 1916 have been apportioned to the various projects by the Reclamation Service to the amount of $10,948,834.69. To each project has been allotted the amount of money necessary to carry on this work economically during the period from July 1 1915, to June 30, 1916, as follows: Salt River project, Ariz., $537,054; Yuma project, Ariz-Calif., $659,560; Orland project, Calif., $70,195; Grand Valley project, Colo., $561,284; Uncompahgre project, Colo., $375,423; Boise project, Idaho, $1,039,943; Minidoka project, Idaho, $328,163; Jackson Lake Enlargement, Idaho-Wyo., $475,713; Garden City project, Kan., $1,592; Huntley project, Mont., $120,008; Milk River project, Mont., $422,322; St. Mary Storage, Mont., $473,852; Sun River project, Mont., $719,940; Lower Yellowstone project, Mont.-N. D., $46,923; North Platte project, Neb.-Wyo., $272,053; Ft. Laramie Unit, Neb.-Wyo., $644,231; Truckee Carson project, Nev., $190,069; Carlsbad project, N. M., $102,379; Hondo project, N. M., $4,038; Rio Grande project, N. M., $404,570; Elephant Butte Storage, N. M., $607,387; North Dakota pumping project, N. D., $20,034; Lawton project, Okla., $40,022; Umatilla project, Ore., $294,751; Klamath project, Ore.-Calif., $164,863; Belle Fourche project, S. D., $143,949; Strawberry Valley project, Utah, $392,944; Okanogan project, Wash., $51,008; Yakima storage, Wash., $559,731; Yakima-Sunnyside Unit, $278,076; Tieton Unit, Wash., $51,959; Shoshone project, Wyo., $419,299. Total for primary projects, $10,473,350.26.

In addition the following allotments were made for preliminary investigations, secondary projects: Colorado River Basin, Ariz.-Calif., $25,000; Iron Cañon Coöperation, Calif., $25; Pitts River coöperative work, Calif., $25; Shasta County coöperative work. Calif., $100; Lassen Colunty coöperative work, Calif., $50; General, investigations, Calif., $5,000; Walker River Investigations, Nev., $50; Columbia River coöperation, Ore., $7,500; Pecos River Investigation, Tex., $900; unallotted to specific investigations, $11,325. Total for secondary projects, $50,000.

On July 1, 1915, there were available for immediate expenditure from the bond loan and reclamation fund $10,198,769.44. The expected accretions to the fund from July 1, 1915, to June 30, 1915, will bring this amount up to $17,198,769.44.

CATALOG NOTICES

Busch-Suler Bros. Diesel Engine Co., St. Louis, Mo. Pamphlet. Appleton (Wis.) water works. Combined filtration and Diesel engine pumping station. Illustrated, 20 pp., 7x10 in.

Wettlauer Bros., 99 Oak St., Buffalo, N. Y. Circulars. Heart-shaped mixers for concrete, mortar or plaster. Illustrated.

A. D. Granger Co., 90 West St., New York. Bulletin No. 2. Oswego internally fired water tube boilers. Illustrated, 16 pp., 8x10½ in.

Sullivan Machinery Co., 122 South Michigan Ave., Chicago, Ill. Bulletin No. 72. Sullivan drill sharpener. Illustrated, 24 pp., 6x9 in.

The Brown Hoisting Machinery Co., Cleveland, Ohio. Catalog U. Brownhoist transfer cars and larries. Illustrated, 32 pp., 6x9 in.

Blaw Steel Construction Co., Pittsburgh, Penn. Folder. Blaw steel forms for concrete construction. Illustrated.

Detroit Steel Products Co, Detroit, Mich. Catalog. Lumina solid steel windows, doors and partitions. Illustrated, 48 pp., 8½x11 in.

The Electric Storage Battery Co., Philadelphia, Penn. Hand Book H L. Low voltage isolated electric light and power plants with the Chloride Accumulator. Illustrated, 52 pp., 6x9 in.

Trussed Concrete Steel Co., Youngstown, Ohio. Catalog. Kahn Mesh for reinforcing concrete. Illustrated, 32 pp., 5½x8 in. Bulletin. Fireproof floors and bearing partitions of pressed steel construction. Illustrated, 16 pp., 8½x11 in.

Morse Chain Co., Ithaca, N. Y. "Chain of Evidence." Publication No. 14. Large Power Drives. Illustrated, 20 pp., 6x9 in.

James B. Clow & Sons, Harrison Street Bridge, Chicago, Ill. Catalog. "Wasting a Million A Day—How to Save It." Plumbing fixtures for industrial purposes. Illustrated, 52 pp., 9x12 in.

Austin Bros., Dallas, Tex. Catalog and Handbook. Road-making machinery, steel bridges, structural steel, metal culverts, tanks, etc. Illustrated, 280 pp., 4½x7 in.

Robert W. Hunt & Co., 2200 Insurance Exchange, Chicago, Ill. Series of Booklets. Specifications for highway bridges, paving brick, Portland cement, adopted by the American Society for Testing Materials. Specifications for creosoted wood blocks, adopted by the Association for Standardizing Paving Specifications. Specifications for steel rails.

American Well Works, Aurora, Ill. Bulletin No. 141. Methods of Constructing Large Capacity Deep Wells. Illustrated, 40 pp., 7⅛x10½ in.

The American Rolling Mill Co., Middletown, Ohio. Catalog. "Armco" iron rust-resisting products. Illustrated, 64 pp., 6x9 in. Pamphlet. "Defeating Rust—The Story of Armco Iron." Illustrated, 46 pp., 6x9 in.

Lansing Co., Lansing, Mich. Catalog No. 12C. Concrete mixers. Illustrated, 36 pp., 9x11 in.

Mead-Morrison Mfg. Co., East Boston, Mass. Pamphlet No. 106. Belt hoists. Illustrated, 4 pp., 6x9 in.

The Baldwin Locomotive Works, Philadelphia, Penn. Record No. 81. Triple articulated compound locomotives. Illustrated, 30 pp., 6x9 in. Record No. 82. Locomotives for export. Illustrated, 32 pp., 6x9 in.

The Tropenas Converter Co., Engineer, 50 Church St., New York, has moved to its new laboratory at 2243 Nostrand Ave., Brooklyn, N. Y. The New York office will be continued, but all business of an executive nature will be transacted at the new address.

RAPID TRANSIT SYSTEM—NEW YORK, N. Y.

Section Nos. 1 and 3, Route Nos. 36, 37 and 50

Bids were received Aug. 3 by the Public Service Commission for the construction of the station finish on Route No. 50 of the Queensboro Subway extension, and Section Nos. 1 and 3, Route Nos. 36 and 37, of the Corona Elevated R.R., from: (A) Snare & Triest Co., 233 Broadway, New York; (B) Marble Arch Co., 216th St. and Broadway, New York. The item bids were as follows:

	A	B
5000 lin.ft. stairways, wood, street to mezzanine	$1.00	$0.50
5700 lin.ft. stairways, wood, mezzanine to platform	1.00	.50
3400 lin.ft. stairways, iron, mezzanine to platform	2.70	1.00
1350 sq.ft. stair landings, wood, straight (street to mezzanine)	.90	.40
320 sq.ft. stair landings, wood, offset (street to mezzanine)	1.10	.40
1250 sq.ft. stair landings, mezzanine to platform	1.10	.40
650 lin.ft. straight or offset with checkered steel plate (mezzanine to platform)	1.90	1.00
31 tons steel column hangers, etc., supporting stairs	85.00	100.00
1300 sq.ft. concrete street landings	.90	.40
40 cu.yd. concrete foundations for columns	15.00	12.00
25 concrete or brick manholes	54.00	30.00
15 cu.yd. rock excavations	10.00	4.00
9600 lin.ft. oak handrails	.55	.80
6800 sq.ft. canopies over stairways	.68	.60
30 canopies over street landings	75.00	60.00
67,400 sq.ft. canopies over side train platform	.36	.60
48,600 sq.ft. canopies over island train platform	.34	.60
36,100 sq.ft. special over side platform (concrete station)	.38	.70
2000 lin.ft. type "A" railing stairs, street to mezzanine	3.75	3.50
900 sq.ft. type "B" grille railing on stairs	1.10	1.30
150 lin.ft., type "C" railing	3.30	4.00
50 lin.ft., type "D", railing	3.80	4.00
2500 lin.ft., type "E," railing around stair wells	4.50	4.00
1050 lin.ft., type "F," low level railings	4.3;	4.00
5800 sq.ft., type "G," high railing	.85	1.25
3550 lin.ft., type "K," train platform railings	4.40	4.00
70 additional high posts, 2½ in. tubing	10.50	10.00
360 lin.ft., pipe railings	1.10	2.00
40 metal screens for stove recesses	12.00	10.00
325 lin.ft., type "L," level railings	3.40	4.00
1500 lin.ft., type "M," service railings	4.30	4.00
6300 lin.ft., type "N," railings on concrete structures	1.60	4.00
4700 lin.ft. wind screen drop sash on train platform	4.70	8.00
320 sq.ft. wind screen, fixed or swing sash, including stairway	.80	1.00
10,800 sq.ft. wind screen drop sash along side track Queensborough Bridge platform	1.65	1.50
235 standards on railings on train platforms	20.00	30.00
25 free standing standards on island train platform	32.00	40.00
12 standards on concrete railings on train platform	27.00	30.00
132,200 sq.ft. wood floors on train platforms	.19	.30
12,800 sq.ft., 8-in. concrete slab floor, including waterproofing, etc	.57	.70
230 sq.ft., 11½-in. concrete slab floor, including water proofing, etc	.80	1.00
100 cu.ft. non-encasing columns, beams and girders	1.00	1.00
280 cu.ft. concrete copings	.90	1.00
250 sq.ft. additional cement finish on concrete as required, section 148	.20	.12
1725 lin.ft. platform edge construction supported on street angles	.80	1.60
350 lin.ft. platform edge construction supported on wood facia	.80	1.00
100 sq.ft. water proofing protective concrete wood, etc., existing concrete slabs	.40	1.00
27,200 sq.ft. asphalt floor, including wood floor	.30	.50
4140 sq.ft. 18-in. concrete slab, 3-in. finish	.55	.50
100 sq.ft. 11½-in. concrete slab, 3-in. finish	.70	.70
7800 sq.ft. cement wainscot or base	.20	.25
27,500 sq.ft. concrete track floor over mezzanine, including water proofing rods, etc	.44	.50
250 sq.ft. flooring for passageways	.22	.60
300 ferrules for mezzanine roof, including flanges	2.20	3.00
20 trap doors or scuttles	20.00	15.00
Concrete water proofing mezzanine and track floor, west side station, section 295 (lump sum)	8,900.00	6,000.00
80,000 sq.ft., 3-in. cement floor finish	.12	.15
29,000 sq.ft. external walls of mezzanine and stairways	.90	1.50
9200 sq.ft. external walls of mezzanine and stairways	.85	1.00
20,000 sq.ft. wood partitions, including doors, windows and sheathing	.55	1.00
1000 lin.ft. copper cutters	.90	1.00
330 lin.ft. low sliding gates	9.00	8.00
85 lin.ft. high sliding gates	13.00	10.00
15 lin.ft. folding gates	11.00	8.00
15 lin.ft. high swing gates	11.00	10.00
18 exit turnstiles	240.00	150.00
30 gate controls	25.00	10.00
55 gate posts and cross frames	28.00	30.00
10 floor boxes (additional)	9.00	5.00
800 lin.ft. 1¼-in. galvanized w.i. pipe for gate robes	.30	.20
6600 lin.ft. 3-in. corrugated galvanized iron leaders	.28	.30
240 lin.ft. 13-in. c.i. leaders in place	.60	.30
90 lin.ft. 3-in. w.i. leaders in place	.80	.50
1800 lin.ft. 13½-in. wi.i. leaders in place	.85	.60
460 lin.ft. 3-in. copper leaders in place	.55	.50
1650 lin.ft. smoke flue from stove recesses in place	.60	.50
215 lin.ft. smoke flue protectors on platforms	1.00	.60
2 tons steel framing shapes, connections	90.00	100.00
15 tons riveted steel girders, columns and brackets	74.00	100.00
450 lb. steel for expansion joints, street connecting stations	.10	.10
200 lin.ft. steel ladders	1.50	2.00
60 sq.ft. steel ladders, platforms	1.00	1.00
7000 drill holes in steel existing structure	.25	.15
350 sq.ft. frames for enameled signs on mezzanine	1.60	3.50
4 frames and reflectors, Type "A," illuminated sign on brackets attached to columns	50.00	25.00
940 sign frames on train platform railings	1.30	3.00
50 sign frames suspended from canopies	16.00	20.00
25 sign frames illuminated N. Y. I.'s train platform, including seat	170.00	20.00
4600 sq.ft. enameled sign plates	.35	.50
20 frame and reflectors, type "B," illuminated sign on brackets attached construction structure	45.00	20.00
26 sign frames, illuminated N. T. I.s' platform, including shields	165.00	20.00
7000 sq.ft. non-slip treads without wood blocks and anchors	.90	.80
3000 sq.ft. non-slip treads with wood blocks and anchors	.95	1.00
1350 sq.ft. stamped sheet steel in booths on mezzanine	.14	.20
50 sq.ft. metal lath without steel furring	.14	.10
3200 sq.ft. metal lath with steel furring	.20	.10
2, type "B," ticket booths in place	420.00	6,000.00
6, type "BB," ticket booths in place	775.00	3,000.00
5, type "D," ticket booths in place	520.00	5,000.00
4, type "E," ticket booths in place	520.00	4,000.00
4, type "G," ticket booths in place	260.00	4,000.00
4, type "KK," ticket booths in place	260.00	4,000.00
475 lin.ft. oak seats in waiting rooms	3.00	2.00
70 doors, type "GG," for toilet stalls	12.00	10.00
200 hardware doors to toilet room, waiting room and closets	20.00	10.00
25 hardware permanent enclosures between stations	8.00	10.00
270 double hung sash	3.00	4.00
675 casement sash in mezzanine, except in ticket booths	4.60	4.00
100 casement sash in ticket booths enclosed and enclosure between stations	4.00	4.00
320 sliding sash	1.00	3.00
2750 drop sash	1.00	2.00
220 hinged sash (top and bottom)	2.50	2.00
62 toilet stall doors, type "G"	10.00	5.00
69 doors to panel boards and switch board boxes	2.00	5.00
40 vent doors	2.00	5.00
10 on swing doors for transformer columns under t. p.	2.00	5.00
110 additional hardware door checks	3.30	4.00
100 door stops	1.55	2.00
60 rubber covered chains	1.20	1.00
60 push plates	1.85	3.00
60 door pulls	2.55	4.00
100 kick plates	6.00	7.00
100 push bars	4.50	1.00
130 casement sash adjusted for single sash	2.30	5.00
120 casement sash adjusted for gang of 2 sash	2.60	8.00
10 casement sash adjusted for gang of 3 sash	11.00	10.00
20 casement sash adjusted for gang of 4 sash	13.50	12.00
20 casement sash adjusted for gang of 5 sash	16.00	13.00
35 casement sash adjusted for gang of 6 sash	18.40	14.00
45 window guard rods	1.40	20.00
4670 sq.ft. plaster coat on mastic and second coat on metal lath	.90	.50
1850 sq.yd. first or scratch coat on metal lath	.50	.40
2500 sq.yd. stucco finish on soffits and sides of stairways at concrete station	1.50	1.00
290 cu.ft. common brick	.40	1.00
13,300 cu.ft. hollow terra cotta tile	.37	.50
36 concrete stove recess, including all appurtenances excepting metal screen	32.00	50.00
3830 sq.ft. 5-in. glass wainscoting and trim on walls	1.30	2.00
775 sq.ft. 2-in. glass pipe chamber partitions	1.60	2.00
85 sq.ft. 2-in. glass shelves	1.60	2.00
1470 sq.ft. 2-in. stall partitions	1.50	2.00
230 sq.ft. 1-in. glass floor slabs	2.50	2.00
760 lin.ft. curved corners and angles of glass	1.50	2.00
60 sq.ft. soapstone wainscoting and trim on walls	1.10	1.00
280 sq.ft. soapstone pipe chamber partitions	1.30	1.00
50 sq.ft. soapstone shelves	1.30	1.00
190 sq.ft. stall partitions	1.20	1.00
20 sq.ft. soapstone floor slabs	1.50	1.00
30 lin.ft. curved corners and angles of soapstone	1.00	1.00
8650 sq.ft. copper covered walls, including windows and doors	.90	1.00
10,000 sq.ft. crimped galvanized iron on walls and ceilings	.12½	.10
140 sq.ft. galvanized wire screens	.50	.20
3650 sq.ft. concrete floor with cement finish	.40	.50
10 galvanized iron roof vents	12.00	10.00
4000 sq.ft. roof	.50	.60
200 lin.ft. copper gutters	.90	1.00
875 sq.ft. partition walls	.60	.40
180 sq.ft. wood floor	.30	.25
23,000 cu.ft. portable enclosures between stations	.21	.25
600 sq.ft. wood flooring passageways adjusted to enclosure	.20	.50
50 wood ladders end of platforms	2.50	10.00
71 plumbing fixtures for water closet bowls	57.00	20.00
50 lavatories in stations	41.00	20.00
6 lavatories in enclosures between stations	38.00	20.00
54 urinals	86.00	100.00
28 slop sinks	63.00	30.00
8 floor drains	15.00	10.00
Rough plumbing work complete, all stations (lump sum)	22,000.00	13,000.00
Rough plumbing work complete, all enclosures between stations (lump sum)	15,000.00	6500.00
170 c.i. work in toilet rooms and portable clothing posts	15.00	10.00
420 lin.ft. top rails	1.00	1.00
10 wall flanges	1.50	1.00
40 regulation faces and frames in pipe chamber partitions	10.00	5.00
15 c.i. vent louvres in walls of portable closets	15.00	5.00
7500 lb. glass and soapstone steel supports	.07	.20
75 coat and hat hooks in toilet rooms	1.00	.20
52,100 lin.ft. electric conduits, ¾-in.	.14	.20
5600 lin.ft. electric conduits, 1 in.	.17	.25
6400 lin.ft. electric conduits, 1¼ in.	.20	.30
1970 lin.ft. electric conduits, 2 in.	.30	.40
100 lin.ft. electric conduits, 2½ in.	.40	
100 lin.ft. electric conduits 3 in.	.51	.70
1750 lin.ft., ¾-in. flexible conduit	.20	.20
5 place porcelaine ferrules in extended masonry walls	1.00	5.00
10 place preelaine ferrules in extended masonry walls, other than masonry walls	1.00	5.00
4250 c.i. outlet boxes	1.00	1.00
38 6-in. x 6-in. x 6-in. c.i. pull boxes	3.00	4.00
12 12-in. x 12-in. x 6-in. c.i. pull boxes	7.50	6.00
18 18-in. x 12-in. x 6-in. c.i. pull boxes	9.50	9.00
2 24-in. x 18-in. x 6-in. c.i. pull boxes	18.50	15.00
75 6-in. x 6-in. x 4-in. c.i. pull boxes	2.60	1.00
15 13-in. x 20-in. x 4-in. c.i. pull boxes	13.80	15.00
20 c.i. heater boxes	14.00	15.00
2 25-in. x 60-in. by 5½-in. steepanel board box	16.00	20.00
31 25-in. x 48-in. x 5½-in. steel panel board box	14.00	20.00
22 25-in. x 36-in. x 5½-in. steel panel board box	12.00	20.00
12 25-in. x 24-in. x 5½-in. steel panel board box	11.00	20.00
2 steel switch board boxes	15.00	50.00
184,400 sq.ft. painting, 2-coat work on plaster and cement surface	.01½	.02
Extended totals	$609,885	$735,930